

A CHECK-LIST OF THE ORDER PROCELLARIIFORMES.

By GREGORY M. MATHEWS.

INTRODUCTION.

188.

IN presenting the Check List of the Petrels, I have striven to include every¹ (Fig. synonym to each genus, species and subspecies, and to designate a type to each genus and a type locality to each species and subspecies, where in the past one has not been assigned or assigned in error. As in all my previous Lists, every reference has been carefully examined. If any errors are apparent, I hope that readers will inform me at once; even printer's errors may cause trouble later on.

The admission of subspecies will always be a matter of opinion, but as no great hardship is imposed by their admission we can leave them to the "shifting sands." Whether more or fewer forms are admitted, we must record every primary reference; this I feel sure I have done.

In the formation of the Keys I have made use of the works of Coues, Ridgway, Salvin, Loomis and my own, supplemented by the articles and papers published by Murphy, Bannerman, Dabbene, Falla, Oliver, Stead, Peters and the names mentioned in the references. In working out the distribution I have also used the works of these authors and have noted odd distribution from time to time in stray works not mentioned.

I shall use this preliminary list as a basis for my future Monograph. I have placed *heinothi* as a subspecies of *Alphapuffinus lherminieri*. One or two other innovations will be found in the List; these I hope will be discussed with the full facts taken into account.

In this order, when the sternum is notched, apparently it is double-notched. In Thalassidromidae and Pelecanoideidae the posterior margin of the sternum is entire, with only a very slight concavity in the outline of each side. In the remaining genera of the group the posterior border of the sternum is always more or less four-notched posteriorly, deepest in the Shearwaters and Petrels, less pronounced in the Fulmars.

Sternum notched in Diomedidae and Procellariidae.

Sternum not notched in Thalassidromidae and Pelecanoideidae.

In the family Diomedidae there exists, between the anterior ends of the mandibular rami, a narrow strip of horn, known as the inter-ramicorn, which is not found in Petrels outside this family.

As Coues says, the bill of the Tube-nosed Petrels consists of separate plates, divided by grooves; hind toe missing in Diomedidae and Pelecanoideidae; only one joint in some genera, or even only a small pimple; anterior three toes large and fully webbed, non-diving except Pelecanoideidae; wing strong and pointed, of ten stiff primaries and many secondaries varying from 10 to 32; tail of less than 20 feathers. They differ in size from *Diomedea* to *Halocryptena*; no seasonal or sexual changes of their compact and oily plumage.

Food entirely of an animal nature gathered on the water; eject a repulsive oily substance when approached. [This may be for lightening the body before flight or for defence.] Breed in colonies; clutch single; are silent as a rule and only come to land for reproductive purposes, otherwise pelagic.

TUBINARES. TUBE-NOSED SWIMMERS.

SUPERFAMILY DIOMEDEOIDEA.

FAMILY DIOMEDEIDAE. ALBATROSSES.

Genus DIOMEDEA Linné.

Diomedea Linné, *Syst. Nat.* 10th ed. p. 132, Jan. 1st, 1758. Type (by subsequent designation, Gray, p. 78, 1840): *Diomedea exulans* Linné.

Albatrus Brisson, *Ornith.* vol. i, p. 54, vol. vi, p. 126, 1760. Type (by monotypy): *D. exulans* Linné.

Albatrossa Brünnich, *Zool. Fynd.* p. 80, 1771. No species added. Type ("by implication"): *D. exulans* Linné.

Albatros Lesson, *Manuel d'orn.* vol. ii, p. 389, June 1828. Substitute name for *Diomedea* L.

Rhothonia Murphy, *Bull. Amer. Mus. Nat. Hist.* Vol. xxxvii, p. 861, Dec. 10th, 1917. Type (by original designation): *Rhothonia sanfordi* Murphy = *epomophora* Lesson.

***Diomedea exulans exulans* Linné (25-441). Wandering Albatross.**

Diomedea exulans Linné, *Syst. Nat.* 10th ed. p. 132, Jan. 1st, 1758. Cape of Good Hope. (Fig. Gould, Austr. vii, pl. 38; Godman, pl. 89.)

"Chocolate Albatros" Latham, *Gen. Syn. Birds*, vol. iii, pt. 1, p. 308, 1785. South Seas: lat. 37° S., long. 50° W. (the end of December).

Diomedea spadicea Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 568, April 20th, 1789. Southern Ocean: lat. 37° S., long. 50° W. (founded on Latham's bird), off Montevideo.

Diomedea adusta Tschudi, *Journ. f. Ornith.* 1856, March, p. 157. South Pacific: 33° S. lat. and 89° W. long. off Juan Fernandez Island, Chile.

Diomedea chionopectera alexanderi Dabbene, *Hornero*, vol. 3, No. 4, Aug. 1926, p. 338. South Atlantic: lat. 38° 30' S., long. 56° W.

Diomedea dabbenena Mathews, *Bull. Brit. Orn. Club*, vol. 1, p. 11, Oct. 31st, 1929. (New name for *Diomedea chionopectera alexanderi* Dabbene, not *Thalassogeron chrysostoma alexanderi* Mathews.)

Distr.: The species has been recorded at the Tropics and flies the waters of the Antarctic Ocean, breeding in each of the three oceans. Chiefly between the latitude of 65° South and the Tropic of Capricorn.

Breeding: Gough Island and Tristan da Cunha, in the South Atlantic Ocean.

***Diomedea exulans chionopectera* Salvin (25-443).**

Diomedea chionopectera Salvin, *Cat. Birds Brit. Mus.* vol. xxv, p. 443 (pref. Dec. 16th, 1895), 1896. Kerguelen Island. (Fig. Godman, pl. 91; Mathews, pl. 369.)

Diomedea exulans westralis Mathews, *Bull. Brit. Orn. Club*, vol. xxxix, p. 29, Nov. 30th, 1918: Albany, West Australia.

Distr.: West Australian Seas, and Indian Ocean.

Breeding: Kerguelen Island, Marion, Prince Edward Island and the Crozets; St. Paul's Island, in the Indian Ocean.

***Diomedea exulans rothschildi* Mathews.**

Diomedea exulans rothschildi Mathews, *Birds Austr.* vol. ii, pt. 3, p. 246, Sept. 20th, 1912. East Australian Seas. (Fig. Buller, 2nd ed. pl. 40; Math. pl. 95.)

Diomedea exulans rohui Mathews, *Austral Av. Rec.* vol. ii, p. 125, Jan. 28th, 1915. Sydney.

Distr.: East Australian and New Zealand Seas.

Breeding: On Disappointment Island, and on the west of Adams Island in the Auckland Group; and on the Chathams, and Antipodes Island off New Zealand, in the Pacific Ocean.

Diomedea exulans georgia Mathews.

Diomedea exulans georgia Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 214, May 27th, 1933. South Georgia.

Distr. : South Atlantic Ocean.

Breeding : South Georgia, Atlantic Ocean.

SUBGENUS **RHOTHONIA** Murphy.**Diomedea epomophora epomophora** Lesson (25-443). Royal Albatross.

Diomedea epomophora Lesson, *Annales Sci. Nat. Paris*, vol. vi, p. 95, 1825. Campbell Island. (Fig. Godman, pl. 90 ; Mathews, Suppl. pl. 40.)

Diomedea epomophora Temminck and Laugier, *Planches Col. d'Ois*, 75th livr. Jan. 5th, 1828, p. 4, error for *epomophora* Lesson.

Diomedea regia Buller, *Trans. Proc. New Zeal. Inst.* 1890, vol. xxiii, p. 234, May 1891. Campbell Island, New Zealand.

Diomedea (Rhothonia) sanfordi Murphy, *Bull. Amer. Mus. Nat. Hist.*, vol. xxxvii, p. 861, Dec. 10th, 1917. Off Corral, Chile.

Distr. : Australian and New Zealand Seas ; flies the Pacific from New Zealand to Chile. Has been recorded at the Tropics.

Breeding : Campbell Island ; Forty-fours Islands, south-east of the Chathams ; the eastern end of Adams Island, south of Auckland Island.

Diomedea epomophora mccormicki Mathews.

Diomedea epomophora mccormicki Mathews, *Birds Austr.* vol. ii, pt. 3, p. 261, Sept. 20th, 1912. Enderby Island, Auckland Islands. (Fig. Mathews, Suppl. pl. 40.)

Distr. : Seas off Enderby Island north of the Auckland Group.

Breeding : Enderby Island to the north of Auckland Island.

Diomedea epomophora longirostris Mathews.

Diomedea epomophora longirostris Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 112, March 7th, 1934. South Atlantic Ocean.

Distr. : Flies the Atlantic Ocean, on the eastern side of South America, from the tropic of Capricorn to the Horn.

Breeding : Not known.

Genus **PHOEBASTRIA** Reichenb.

Phoebastria Reichenbach, *Nat. Syst. Vögel*, p. v, 1852 (1853). Type (by monotypy) : *Diomedea brachyura* Temm. = *D. albatrus* Pallas.

Phoebastria albatrus (Pallas) (25-444). Short-tailed Albatross.

Diomedea albatrus Pallas, *Spic. Zool.* vol. 1, fasc. 5, p. 28, 1769. Off Kamchatka, Bering Sea. (Fig. Godman, pl. 92 ; Gould, vii, pl. 39.)

Diomedea brachyura Temminck and Laugier, *Planches Colores d'Ois*, 75th livr. Jan. 5th, 1828. In the article on the genus *Diomedea*, p. 11, for "Albatros de la Chine des Pl. Enl. 963 de Buffon" ; cf. also 79th livr. Aug. 1829.

Diomedea chinensis Temminck, *Man. d'Orn.* 2nd ed. vol. i, p. cx, 1920, October (before 21st) for Pl. Enl. 963.

Diomedea leptorhyncha Coles, *Proc. Acad. Nat. Sci. Philad.* 1866 (for May), p. 178. No locality ; designated China.

Diomedea derogata Swinhoe, *Proc. Zool. Soc. (Lond.)* 1873, p. 786, April 1st, 1874. Chefoo, China.

Distr. : Occurs from South China, northward to Bering Sea, and then southward along the coast of America to California. That is, north of the Tropic of Cancer.

Breeding : Sulphur Island, Bonin Group. (Volcano Island ?) (It has been recorded as breeding on Wake Island.)

Phoebastria immutabilis (Rothschild) (25-446). Laysan Albatross or Gooney.

Diomedea immutabilis Rothschild, *Bull. Brit. Orn. Club*, vol. i, p. xlviii, June 1st, 1893. Laysan. (Fig. *Birds of Laysan*, p. 39 ; Godman, pl. 96.)

? *Diomedea gilliana* Coues, *Proc. Acad. Philad.* 1866 (for May), pp. 181-8. No locality.

Distr. : The North Pacific, with about the same distribution as *nigripes*, but has never crossed the line.

Breeding : The same breeding grounds as *nigripes* : Hawaiian Islands (Ocean, Green, Middle, Pearl and Hermes Reefs, Lisianski, Laysan, French Frigate Shoals, Necker, Bird and Johnston Islands). Formerly on Marcus Island.

Phoebastria nigripes (Audubon) (25-445). Black-footed Albatross.

Diomedea nigripes Audubon, *Orn. Biogr.* vol. v, pp. 327-8, 1839 (pref. May 1st). Pacific Ocean : lat. 30° 44' N., long. 164° W. Sandwich Islands. (Fig. Godman, pls. 94-5.)

Diomedea gilbosa Gould, *Ann. and Mag. Nat. Hist.* vol. xiii, May 1st, 1844. North Pacific.

Phoebastria nigripes reischekia Mathews, *Bull. Brit. Orn. Club*, vol. li, Dec. 3rd, 1930, p. 29. New Zealand.

Distr. : North Pacific, north of the Line to the Aleutian Islands. Wandering in the non-breeding season as far south as New Zealand (one record).

Breeding : On the outer Hawaiian Island (Ocean, Green, Midway, Pearl and Hermes Reefs, Lisianski, Laysan, French Frigate Shoals, Necker, Bird and Johnston Islands). Formerly on Marcus Island, all between 30° and 15° N. lat.

Phoebastria irrorata (Salvin) (25-445). Galapagos Albatross.

Diomedea irrorata Salvin, *Proc. Zool. Soc. London*, 1883, p. 430, Oct. 1st. Callao Bay, Peru. (Fig. Godman, pl. 93.)

Dist. : The seas around the Galapagos Archipelago, east to Peru.

Breeding : Hood Island, Galapagos Archipelago.

Genus **THALASSARCHE** Reichenb.

Thalassarche Reichenbach, *Nat. Syst. Vögel*, p. v, 1852 (1853). Type (by original designation) : *Diomedea melanophris* Temminck.

Thalassarche melanophris melanophris (Temminck) (25-447). Black-browed Mollymawk.

Diomedea melanophris Temminck et Laugier, *Planches Colores d'Ois.* (? 77c) 76c livr. (vol. iv) pl. 456, April 23rd, (? March) 1828. Cape of Good Hope. (Fig. Godman, pl. 97 ; Gould, *Anstr.* vii, pl. 43.)

Thalassarche melanophris belcheri Mathews, *Birds Austr.* vol. ii, pt. 3, p. 271, Sept. 20th, 1912. Kerguelen.

Distr. : From the Tropic of Capricorn, southward to 60° or 65° of South latitude.

Has been recorded from the British Isles and the Faeroes.

Breeding : Falkland Islands and South Georgia, South Atlantic Ocean ; Kerguelen Island, Indian Ocean.

Thalassarche melanophris impavida Mathews.

Thalassarche melanophris impavida Mathews, *Birds Austr.* vol. ii, pt. 3, p. 267, Sept. 20th, 1912, ex Solander MS.; Tasmania (Fig. Math. pl. 96).

Distr. : South-eastern Australian and New Zealand Seas to Campbell and Bounty Islands.

Breeding : Auckland Group (Disappointment Island): Campbell and Bounty Islands.

Thalassarche melanophris richmondi Mathews.

Thalassarche melanophris richmondi Mathews, *Birds Austr.* vol. ii, pt. 3, p. 272, Sept. 20th, 1912, West coast of South America.

Distr. : Off the west coast of South America.

Breeding : Ildefonso Island, off Chile.

Thalassarche bulleri (Rothschild) (25-448). Snares Island Mollymawk.

Diomedea bulleri Rothschild, *Bull. Brit. Orn. Club*, vol. i, pl. lviii, July 4th, 1893. New Zealand. (Fig. Buller, Suppl. pl. 5; Godman, pl. 98).

Diomedea platei Reichenow, *Orn. Monatsb.* vol. vi, p. 190, Nov. 1898. Cavancha, Chile [= ? immature of *bulleri*]. (Fig. Godman, pl. 98A.)

Distr. : Seas contiguous to its breeding place and as far east as Chile and Peru.

Breeding : Snares Island, South of Stewart Island, New Zealand.

Genus **THALASSOGERON** Ridgway.

Thalassogeron Ridgway, in Baird, Brewer and Ridgway, *Mem. Mus. Comp. Zool. Harvard*, vol. xiii, 1884. (*Later Birds of North America*, vol. ii,) pp. 345, 357, Intro. March 31st, 1884. Type (by original designation): *Diomedea culminata* Gould.

Thalassogeron chrysostoma chrysostoma (Forster) (25-451). Grey-headed Mollymawk.

Diomedea chrysostoma Forster, *Mém. Math. Phys. (Paris)*, vol. x, pl. 14, p. 571, 1785. Cape Seas. (Fig. Mathews, pl. 97.)

Thalassogeron chrysostoma harterti Mathews, *Birds Austr.* vol. ii, pt. 3, p. 280, Sept. 20th, 1912, Kerguelen Island.

Thalassogeron chrysostoma alexanderi Mathews, *Austral Av. Rec.* vol. iii, p. 55, April 7th, 1916. West Australia. (Fig. Math. pl. 97.)

Distr. : Generally between 40° and 60° of South latitude. Indian Ocean from Western Australia to the Cape. Records north of the line too doubtful.

Breeding : Kerguelen, Marion Island and the Crozets.

Thalassogeron chrysostoma culminata (Gould).

Diomedea culminata Gould, *Proc. Zool. Soc. Lond.* 1843, p. 107, Dec. 1843. Bass Strait. (Fig. Gould, *Austr.* vii, pl. 41; Godman, pl. 101.)

Diomedea culminata mathewsi Rothschild, *Bull. Brit. Orn. Club*, vol. xxxix, Feb. 28th, 1912, p. 70; Campbell Island.

Distr. : East Australian and New Zealand Seas.

Thalassogeron chrysostoma desolationis Salvadori.

Thalassogeron desolationis Salvadori, *Boll. Mus. Zool. Anat. Comp. Univers. Torino*, vol. 26, no. 638, p. 2, March 15th, 1911. Desolation Island, near Tierra del Fuego, S. of South America.

Diomedea profuga Mathews, *Birds Austr.* vol. ii, pt. 3, p. 285, Sept. 20th, 1913, 57° 30' S., 1° 83' W., S. of South America (not of Gray, 1871, p. 109, which is *N. chlororhynchus*.)

Distr. : Seas off the South of South America.

Breeding : Diego Ramirez Island, Cape Horn ; and South Georgia.

GENUS NEALBATRUS Mathews.

Nealbatrus Mathews, *Birds Austr.* vol. ii, pt. 3, p. 274, Sept. 20th, 1912. Type (by original designation) : *Diomedea chlororhynchus* Gmelin.

Nealbatrus chlororhynchus chlororhynchus (Gmelin) (25-451). Yellow-billed Mollymawk.

Diomedea chlororhynchus Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 568, April 20th, 1789. Cape Seas.

"Yellow-nosed Albatros" Latham, *Gen. Synops.* vol. iii, pt. i, p. 309, pl. 94, 1785. Cape of Good Hope.

Diomedea olivaceorhyncha Gould, *Ann. Mag. Nat. Hist.* vol. xiii, p. 361, May 1st, 1844. No locality = Cape Seas.

Diomedea olivaceirostris Bonaparte, *Comptes Rendus, Acad. Sci. Paris*, vol. xlii, p. 768, April 28th, 1856 (new spelling only).

Diomedea presaga Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 185, Oct. 1st, 1857, as synonym of *D. chlororhynchus* Gm.

Diomedea profuga Gray, *Handl. Gen. Sp. Birds Brit. Mus.* vol. iii, p. 109, Aug. 18th, 1871, as synonym of *D. chlororhynchus* Gm.

Thalassogeron eximius Verrill, *Trans. Conn. Acad.* vol. ix, p. 440, pl. 8, for March (pub. after June) 1895. Gough Island (breeding).

Thalassogeron carteri Rothschild, *Bull. Brit. Orn. Club*, vol. xiv, p. 6, Oct. 30th, 1903. Point Cloates, mid-West Australia. (Fig. Math. pl. 99 ; Godman, pl. 102A.)

Distr. : Cape Seas, the Antarctic Ocean, commoner in the South Atlantic and Indian Oceans. Accidental, to Western Australia.

Breeding : Tristan da Cunha : Gough Island. (Crozetts, Kerguelen and St. Paul's with a query).

Nealbatrus chlororhynchus bassi (Mathews).

Diomedea bassi Mathews, *Nov. Zool.* vol. xviii, p. 206, Jan. 31st, 1912. New South Wales. (Fig. Math. pl. 98 ; Godman, pl. 102.)

Distr. : Eastern Australian Seas.

GENUS DIOMEDELLA Mathews.

Diomedella Mathews, *Birds Austr.* vol. ii, pt. 3, p. 275, Sept. 20th, 1912. Type (by original designation) : *Diomedea cauta* Gould.

Diomedella cauta cauta (Gould) (25-449). White-capped Mollymawk.

Diomedea cauta Gould, *Proc. Zool. Soc. Lond.* 1840, p. 177, July 1841. Bass Strait. (Fig. Gould, *Austr.* vii, pl. 40 ; Math. pl. 100 ; Godman, pl. 99.)

Diomedella cauta rohui Mathews, *Austral Ar. Rec.* vol. iii, p. 55, April 7th, 1916. Sydney.

Diomedella cauta wallaea Mathews, *Austral Ar. Rec.* vol. iii, p. 160, June 25th, 1918. New name for *rohui*, as above.

Distr. : Australian (south and east) and New Zealand Seas.

Breeding : Albatross Island, N.W. of Tasmania : Mewstone Island, on the south coast of Tasmania.

Diomedella cauta salvini (Rothschild) (25-450).

Thalassogeron salvini Rothschild, *Bull. Brit. Orn. Club*, vol. i, p. lviii, July 4th, 1893. New Zealand. (Fig. Buller, Suppl. pl. 50; Godman, pl. 100.)

Thalassogeron layardi Salvin, *Cat. Birds Brit. Mus.*, vol. xxv, p. 450, 1896 (pref. Dec. 16th, 1895). Cape of Good Hope, South Africa [error? = Chile].

Diomedella cauta peruvia Mathews, *Bull. Brit. Orn. Club*, vol. liii, p. 185, May 5th, 1933. West Peru.

Distr. : New Zealand Seas, Bounty Island, and east to Chile and Peru in the Pacific Ocean. (Cape Seas in the Indian Ocean?)

Breeding : Bounty Island, off New Zealand.

Diomedella cauta eremita (Murphy).

Thalassarche cauta eremita Murphy, *Amer. Mus. Nov.*, no. 419, p. 4, April 5th, 1930. Pyramid Rock, Chatham Island.

Distr. : Seas round Chatham Island.

Breeding : Pyramid Rock, Chatham Islands.

Diomedella cauta atlantica Mathews.

Diomedella cauta atlantica Mathews, *Bull. Brit. Orn. Club*, vol. liii, p. 213, May 27th, 1933. Off Buenos Aires, South Atlantic Ocean: lat. 35° 44' S.; long. 53° W., about 120 miles off the coast.

Distr. : Eastern Seas of South America from Uruguay to the Horn, South Atlantic Ocean.

Breeding : Not known.

Diomedella cauta steadi (Falla).

Thalassarche cauta steadi Falla, *Rec. Auckland Mus.*, vol. i, no. 4, p. 179, Sept. 25th, 1933. Foveaux Strait, New Zealand.

Distr. : Foveaux Strait, New Zealand.

Breeding : Not known.

Genus **PHOEBETRIA** Reichenb.

Phoebetria Reichenbach, *Nat. Syst. Vögel*, p. v, 1852 (1853). Type (by original designation): *Diomedea fuliginosa* Gmelin = *Diomedea palpebrata* Forster.

Phoebetria palpebrata palpebrata (Forster). Light-mantled Sooty Albatross.

Diomedea palpebrata Forster, *Mém. Math. Phys. (Paris)*, vol. x, p. 571, 1785. "47° South lat." = 64° S. 38° E. = South of Prince Edward and Marion Islands.

Diomedea fuliginosa Gmelin, *Syst. Nat.*, vol. i, pt. ii, p. 568, April 20th, 1789. South Seas, 47°, for same as Forster's bird.

Diomedea antarctica Gray, *Gen. Birds*, vol. iii, p. 650, June 1844, as synonym of *D. fuliginosa* Gm. Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 186, Oct. 1st, 1857 = *fuliginosa* Gm.

Diomedea fuliginosa var. *cornicoides* Hutton, *Ibis*, July 1867, p. 186. South Indian Ocean, breeding on Kerguelen Island. (36° 28' lat., 2° 18' E. long. to 41° 9' S. and 43° 7' E. to 37° 26' S. by 163° 51' E.)

Distr. : South Indian Ocean.

Breeding : Kerguelen Island. This species breeds below the 45° of South latitude.

Phoebetria palpebrata huttoni Mathews.

Phoebetria palpebrata huttoni Mathews, *Birds Austr.* vol. ii, pt. 3, p. 297, Sept. 20th, 1912. New Zealand Seas. (Fig. Math. pl. 101.)

Phoebetria palpebrata auduboni Nichols and Murphy, *Auk*, vol. 21, p. 531, Oct. 1914 = Sept. 30th. Mouth of the Columbia River, Oregon error = South Pacific Ocean.

Distr. : Southern Australian and New Zealand Seas.

Breeding : Sub-Antarctic Islands of New Zealand.

Phoebetria palpebrata murphyi Mathews and Iredale.

Phoebetria palpebrata murphyi Mathews and Iredale, *Man. Bds. Austr.* p. 50, March 9th, 1921, in text (South Georgia) new name for *antarctica* Mathews, 1912.

Phoebetria palpebrata antarctica Mathews, *Birds Austr.* vol. ii, pt. 3, p. 302, Sept. 20th, 1912. South Georgia. Not *Diomedea antarctica* Gray, 1844.

Distr. : South Atlantic Ocean.

Breeding : South Georgia.

Phoebetria [palpebrata] fusca (Hilsenberg) (25-453). Sooty Albatross.

Diomedea fusca Hilsenberg, in Froriep's *Notizen*, vol. iii, no. 5 (49), p. 74, Sept. 1822. Mozambique Channel. (Fig. Godman, pl. 103; Gould, vii, pl. 44; Mathews, Suppl. 41.)

Phoebetria fusca campbelli Mathews, *Birds Austr.* vol. ii, pt. 3, p. 304, Sept. 20th, 1912. Australian Seas.

Distr. : South Atlantic and South Indian Oceans from 30° West longitude to Western and Southern Australia. New Zealand record doubtful.

Breeding : Gough Island and Tristan da Cunha.

That is, above the 45° of South latitude.

SUPERFAMILY **PROCELLARIOIDEA.**

FAMILY **PROCELLARIIDAE.** Fulmars, Gadfly-petrels, Shearwaters and Prions.

SUBFAMILY **FULMARINAE.** THE FULMARS.Genus **MACRONECTES** Richmond.

Macronectes Richmond, *Proc. Biol. Soc. Wash.* vol. xviii, p. 76, Feb. 21st, 1905. Type (by original designation): *Procellaria gigantea* Gmelin; new name for *Ossifraga* Hombron et Jacquinot, not Wood.

Ossifraga Hombron et Jacquinot, *Comptes Rendus Acad. Sci. Paris*, vol. xviii, p. 356, March 1844.

Type (by monotypy): *P. gigantea* Gmelin. Not Wood, *Analyst*, vol. ii, p. 305, June 1835.

Macronectes giganteus giganteus (Gmelin) (25-422). Giant Fulmar.

Procellaria gigantea Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 563, April 20th, 1789. Staten Island, off Tierra del Fuego. (Fig. Godman, pl. 76 and Elliot, *Birds N. America*, vol. ii, pl. 59, 1869.)

"Giant Petrel" Latham, *Gen. Synops.* vol. iii, pt. ii, p. 396, 1785. Tierra del Fuego.

Procellaria Basilio Kuhl, *Beitr. Zool. vergl. Anat. zweite Abth.* p. 140, 1820 (pref. April 9th) as synonym of *Procellaria gigantea* Gm.

Procellaria ossifraga Forster, *Descr. Anim. ed. Licht.* p. 343, 1844 (pref. Jan.). Tierra del Fuego.

Procellaria gigas Huxley, *Proc. Zool. Soc. (Lond.)*, 1867, p. 431, Aug. 1st; error for *gigantea*; and Forbes, *Rep. Voy. Challenger*, pt. xi, p. 8, 1882, new name of *Ossifraga gigantea*.

Macronectes giganteus solanderi Mathews, *Birds Austr.* vol. ii, pt. 2, p. 187, July 31st, 1912. Falkland Islands.

Macronectes giganteus halli Mathews, *Birds Austr.* vol. ii, pt. 2, p. 187, July 31st, 1912. Kerguelen. *Macronectes giganteus forsteri* Mathews, *Birds Austr.* vol. ii, pt. 2, p. 189, July 31st, 1912. Valparaiso Bay, Chile.

Procellaria maxima Mathews, *Emu*, vol. xxxiii, pt. 2, p. 138, Oct. 2nd, 1933. As synonym of *M. gigantea* ex Anderson MS.

Distr. : The southern part of the three great Oceans, from the Tropic of Capricorn to the pack-ice. Seas off West Australia. Has been recorded north of the Tropic of Capricorn.

Breeding : South Shetland, South Orkney, South Georgia, Falkland Islands, Tristan da Cunha and Gough Island, in the South Atlantic : Kerguelen, Prince Edward and Crozet Islands in the Indian Ocean.

Macronectes giganteus albus (Potts).

Ossifraga alba Potts, *Trans. New Zeal. Inst.* vol. vi, p. 152, June 1874. Off Centre Island, Foveaux Strait, South Island, New Zealand. (Fig. Gould, *Austr.* vii, pl. 45 ; Math, pl. 89.)

Macronectes giganteus wilsoni Mathews, *Birds Austr.* vol. ii, pt. 2, p. 189, July 31st, 1912. Ross Sea, Antarctic.

Macronectes giganteus dovei Mathews, *Austral Av. Rec.* vol. iii, p. 54, April 7th, 1916. Sydney, New South Wales.

Distr. : New Zealand and Australian Seas to the Antarctic Ocean.

Breeding : Antipodes, Campbell, Chatham, and Macquarie Islands.

Genus **DAPTION** Stephens.

Daption Stephens, in Shaw's *Gen. Zool.* vol. xiii, pt. 1, p. 239, Feb. 18th, 1826. Type (by original designation) : *P. capensis* Linné. (Spelt *Daptes* Blasius, *List Birds of Europe*, p. 23, 1862.)

Calopetes Sundevall, *Math. Nat. Av. Disp. Tent.* p. 142 (before June 12th), 1873. New name for *Daption*.

Petrella Mathews, *Auk*, vol. xxxi, p. 91, Jan. 1st, 1914. Type (by monotypy) : *P. capensis* L. (ex Zimmermann in Bartram's *Trav. Carolina*, German ed. p. 293, 1793 (discarded as non-binomial).)

Daption capensis capensis (Linné) (25-428). Pintado, or Cape Pigeon.

Procellaria capensis Linné, *Syst. Nat.* 10th ed. p. 132, Jan. 1st, 1785. Cape of Good Hope. (Fig. Gould, vii, pl. 53 ; Math, pl. 90 ; Godman, pl. 80.)

Procellaria pardala Oken, *Lehrb. f. Naturg.* vol. iii, *Zool.* p. 533, 1816. Cape Seas.

Procellaria naevia Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 188, Oct. 1st, 1857, as synonym of *capensis*. *P. naevia* Coues, *Proc. Acad. Nat. Sci. Philad.* 1866 (for May), p. 162, as synonym of *capensis* L.

Distr. : Cape of Good Hope, Indian and South Atlantic Oceans. Mostly South of the Tropic of Capricorn.

Breeding : Kerguelen and Heard Island, South Indian Ocean ; Antarctica (Queen Mary, Adelie and King George V lands) ; South Shetland (Gerlashe Strait, North of Graham Land) South Orkney and South Georgia.

Daption capensis australis Mathews.

Daption capense australis Mathews, *Austral Av. Rec.* vol. i, p. 187, March 20th, 1913. New Zealand.

Distr. : Southern Australian and New Zealand Seas.

Breeding : Islands South of the Snares ? New Zealand.

Genus **FULMARUS** Stephens.

Fulmarus Stephens, in Shaw's *Gen. Zool.* vol. xiii, pt. i, p. 233, Feb. 18th, 1826. Type (by subsequent designation, Gray, *List Gen. Subgen. Birds*, p. 129, 1855) : *Procellaria glacialis* L.

Helokippus Billberg, *Syn. Faun. Scand.* vol. i, pt. 2, p. 192, 1828. Type (by monotypy) : *P. glacialis* L., cf. *Austral Av. Rec.* vol. ii, pp. 42 and 48, October 23rd, 1913.

Rhantistes Kaup, *Skizz. Entwick-Gesch. Nat. Syst.* p. 105, April 1829. Type (by monotypy) : *Procellaria glacialis*.

Wagellus Gray, *Genera Birds*, p. 78, April 1st, 1840. Type (by original designation) : *P. glacialis* L.

Fulmarus glacialis glacialis (L.) (25-425). The Fulmar Petrel.

Mallennucke Martens, *Spitzbergische oder Groenlandische Reise Beschreibung gethan i. Jahr 1671*, p. 68, 1675. Spitsbergen.

Procellaria glacialis Linné, *Fauna Suecica*, 2nd ed. p. 51, after July 28th, 1761. Within the Arctic Circle = Spitsbergen. Founded on the above. (Fig. Godman, pl. 77.)

Hav-hesten, en Soc-Engl. J. E. Gunnerus, *Trondh. Selskabs Skrifter*, Deel 1, pp. 182-202, pl. i, 1761.

Procellaria grönländica Gunnerus, in Knud Leem, *Beskrivelse over Finnmarkens Lapper*, p. 273, nota 121 (pref. Jan. 29th) 1767. Greenland. Founded on "Hav-hesten," id. 1761.

Procellaria cinerea Gunnerus, *ib.* for "Hav-hesten," id. 1761 (ex Brisson).

Procellaria hyemalis Brehm, *Ornis*, vol. i, p. 20, 1824. Greenland.

Procellaria melanonyx Nilsson, *Skand. Fauna Foglarna* ed. 2, vol. ii, p. 347, 1835. Arctic Ocean.

Procellaria minor Kjörbølling, *Jour. f. Ornith.* 1854, *Erinnerungsschrift*, p. lix, 1855. Greenland.

Procellaria borealis Brehm, *Naumannia*, 1855, p. 296 (after June) as synonym of *P. glacialis* L.

Fulmarus auduboni Bonaparte, *Consp. Gen. Av.* vol. ii, p. 187, Oct. 1st, 1857; new name for *Procellaria glacialis* Audubon, *Orn. Biogr.* vol. iii, p. 441, error for p. 449, 1835. America, designated Newfoundland.

Procellaria glacialis communis Hartert, *Die Vögel der pal. Fauna*, vol. ii, Heft xi-xii, p. 1436, August 1920, as synonym of *glacialis* L. ex Brehm, *Verz. Samml. europ. Vögel*, p. 15, 1866 (nom. nud.).

Distr. : From the Tropic of Cancer, northward to the Arctic regions. Breeding north of 50°.

Breeding : Franz Josef Land ; Spitzbergen ; Novaya Zemlya ; Greenland, Ireland, England and the islands off Scotland (Shetland, Hebrides, Orkneys), North Atlantic.

Fulmarus glacialis rogersi (Cassin) (25-427). The Glupisch or Pacific Fulmar.

Procellaria pacifica Audubon, *Ornith. Biogr.* vol. v, p. 331, 1839 (Introd. May 1st), Alaska. Not Gmelin, p. 560, 1789, which is *Thyelodroma pacifica*. (Fig. Godman, pls. 78 and 79.)

Fulmarus rogersii Cassin, *Proc. Acad. Nat. Sci. Philad.* for July-Sept. = Oct. 28th, 1862, p. 326. Indian Ocean error = North Pacific. (Fig. Godman, pl. 79.)

Fulmarus glacialis glupischa Stejneger, *Auk*, 1884, p. 234 (July), new name for *P. pacifica* Audubon not Gmelin. (Fig. Godman, pl. 78.)

Fulmarus glacialis columba Antony, *Auk*, 1895, April, p. 105. Off San Diego, California (in October).

Distr. : North Pacific to the Tropic of Cancer.

Breeding : North Pacific, in Bering Sea on Commander and Pribilof Islands ; Herald and Wrangle Islands ; Kamchatka and the Kurile Islands.

Genus **PRIOCELLA** Hombron and Jacquinot.

Priocella Hombron et Jacquinot, *Comptes Rendus Acad. Sci. Paris*, vol. xviii, p. 357, March 4th, 1844.

Type (by monotypy): *P. garnotii*, Hombron et Jacquinot = *Fulmarus antarcticus* Stephens.

Priocella antarctica (Stephens) (25-393). Silver-grey Petrel.

Fulmarus antarcticus Stephens, in Shaw's *Gen. Zool.* vol. xiii, pt. 1, p. 236, Feb. 18th, 1826. Cape Seas. Based on *Procellaria glacialis* Latham, *Index Orn.* vol. ii, p. 823, Dec. 9th, 1790. (Fig. Gould, vii, pl. 48 ; Godman, pl. 43 ; Math., pl. 82.)

Procellaria tenuirostris Audubon, *Ornith. Biogr.* vol. v, p. 333, 1839 (Introd. May 1st). Columbia River, North America, error = South Pacific Ocean, Not of Temminck, 1835, which is *Neonectris tenuirostris*.

Procellaria glacialisoides Smith, *Illustr. Zool. South Africa*, pl. 51, pt. xi, July 1840. Cape Seas.

Priocella garnotii Hombron et Jacquinot, *Comptes Rendus Acad. Sci. Paris*, vol. xviii, p. 357, March 4th, 1844. Cape Seas.

Procellaria smithi Schlegel, *Mus. Pays-Bas*, vol. vi, *Procell.* p. 22, July 1863. New name for *glacialisoides*.

Thalassoica polaris Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 192, after Oct. 1st, 1857, as synonym of *glacialoides*, cf. Salvin, *Cat. Birds*, vol. xxv, p. 384 (pref. Dec. 1895), 1896.
Prionocella antarctica addenda Mathews, *Austral Av. Rec.*, vol. ii, p. 125, Jan. 28th, 1915. New Zealand Seas. (Fig. Math. pl. 82.)

Distr. : East Australian and New Zealand Seas to Antaretica. Ranges north in the Pacific to New Zealand and Peru and in the Atlantic to lat. 35° S., casually to Cape São Roque, Brazil and St. Helena Island.

Breeding : Queen Mary Land (Haswell Island) ; Adelie Land (Stillwell Island) ; King George's Island (Penguin Point) ; South Shetlands (Cape Roquemaurel West of Louis Philip Land) ; South Orkneys and South Georgia.

? *Procellaria maculata* Tschudi, *Journ. f. Ornith.* May 1856, p. 185, Mas-a-fuera Island. Indeterminable ?

Genus **THALASSOICA** Reichenb.

Thalassoica Reichenbach, *Nat. Syst. Vögel*, p. iv, 1852 (1853). Type (by original designation): *Procellaria antarctica* Gmelin.
Acipetes Forbes, *Voy. 'Chall.' Zool.* p. 59, 1882. Type (by original designation): *Procellaria antarctica* Gm.

Thalassoica antaretica (Gmelin) (25-392). Antaretic Petrel.

Procellaria antaretica Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 565, April 20th, 1789. In the Antaretic Circle. (Fig. Godman, pl. 32, and Ereb. & Terr. pl. 33, Mathews, Lord Howe, pl. 37.)
Procellaria lugubris Tschudi, *Journ. f. Ornith.* May 1856, p. 185, as synonym of *Procellaria antarctica* Gm. Not of Bonaparte, 1845, which is *Thalassidroma pelagica* (L.)

Distr. : Antaretica to New Zealand and Victoria in Australia, never farther north.

Breeding : Queen Mary Land (Haswell Island) ; Adelie Land (Cape Hunter). South Shetlands [and South Orkneys ?].

Subfamily **BULWERIINAE**. The Gadfly Petrels

Genus **PAGODROMA** Bp.

Pagodroma Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, May 1856. Type (by monotypy): *Procellaria nivea* Forster.

Pagodroma nivea (Forster) (25-419). Small-billed Snowy Petrel.

Procellaria nivea Forster, *Voy. Round World*, vol. i, pp. 96-8, 1777 (pref. March 1st), lat. 52° S., long. 20° E. (Fig. Godman, pl. 73 ; Ereb. & Terr. pl. 34 ; Cassin, pl. 42 ; and Math. ii, p. 177 ; Mathews, Suppl. pl. 39.)
Procellaria candida Peale, *U.S. Explor. Exped.* vol. viii, p. 295, in or before Oct. 1848 : as synonym of *nivea* Forster.
Pagodroma nivea (a) major Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 192, Oct. 1st, 1857, as synonym of *nivea* Gm. — Forster.
Pagodroma nivea (b) minor Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 192, Oct. 1st, 1857, as synonym of *nivea* Gm.
Procellaria nivea minor Schlegel, *Mus. Pays-Bas*, vol. vi, *Procell.* p. 16, July 1863. South Pole.
Pagodroma nivea (novegorgica ?) von der Steinen, *Internat. Polarforsch. Deutsche Exped.* vol. ii, p. 250, 1890. South Georgia.
Pagodroma novegorgica Salvin, *Cat. Birds Brit. Mus.* vol. xxv, p. 419 (pref. July 30th, 1895), 1896 : as synonym of *nivea* Forster, ex Steiner, *Deutsch. Exp. Ant. Polarf.* vol. ii, p. 250, 1890.
Pagodroma nivea novegorgica Mathews, *Birds Austr.* vol. ii, pt. ii, p. 177, July 31st, 1912. Falkland Islands.

Pagodroma nivea falklandica Mathews, *Bull. Brit. Orn. Club*, vol. xlv, Feb. 25th, 1926, p. 76 ("New name for *P. n. novegeorgica* Mathews, *Birds Austr.* vol. ii, p. 177, 1912, preoccupied as synonym of *nivea* Forster.")

Pagodroma nivea pealei Mathews, *Bull. Brit. Orn. Club*, vol. xlix, p. 19, Oct. 30th, 1928; lat. 64° S., long. 104° W. of Greenwich. (Fig. Math. Suppl. pl. 39).

Pagodroma nivea alba Mathews, *Bull. Brit. Orn. Club*, vol. xlix, p. 52, Dec. 27th, 1928; lat. 62° 52' S., long. 159° 25' E.

Distr. : The South Pole to Victoria in Australia; the South Pacific and South Atlantic Oceans. Recorded from Bouvet Island.

Breeding : Kaiser Wilhelm Land; Queen Mary Land; South Victoria Land (South Orkneys? and South Georgia?).

Pagodroma confusa Mathews. Large-billed Snowy Petrel.

Pagodroma confusa Mathews, *Birds Austr.* vol. ii, pt. 2, p. 177, and figure, July 31st, 1912. Cape Adare. (Fig. Mathews, Suppl. pl. 39.)

Distr. : Victoria Land, Antarctica.

Breeding : Cape Adare and Robertson Bay, South Pole; the South Shetlands (on the N.E. end of Ludwig Phillip Land; and Cockburn Island).

Genus **BULWERIA** Bp.

Bulweria Bonaparte, *Nuovi Annali d. Sci. Nat. Bologna*, Dec. 22nd, 1842, vol. viii, p. 426, Jan. 14th, 1843. Type (by monotypy and tautonymy): *Procellaria bulwerii* J. & S.

Bulweria bulwerii bulwerii (J. & S.) (25-420). Soft-nosed (or Bulwer's) Petrel.

Procellaria bulwerii Jardine & Selby, *Illustr. Orn.* vol. ii, pt. iv, pl. 65, Nov. 1828. Madeira. (Fig. Dresser, viii, pl. 614; Godman, pl. 74.)

Procellaria anjinho Heineken, in Brewster's *Edinburgh Journ. Sci.* New Series, vol. i, no. xi, p. 231, Oct. 1829. Madeira.

Puffinus columbinus Monquin-Tandon, in Webb, Berthelot and Monquin-Tandon, *Ornith. Canar.* vol. ii, p. 44, pl. 4, fig. 2, 1841. Canary Islands.

Procellaria columbina id., ib. pl. 4, fig. 2.

Distr. : North Atlantic, on the east from England to the Line.

Breeding : Madeira, the Salvages, Canary and Cape Verde Islands in the Atlantic.

Bulweria bulwerii pacifica M. & I.

Bulweria bulwerii pacifica Mathews & Iredale, *Ibis*, July 1915, p. 607. Bonin Islands.

Distr. : Bonin Island to Hawaiian Islands (Johnston, Nihoa, Necker, French Frigate Shoal, Laysan and Lisianski) and as far south as the Marquesa Group.

Breeding : The Hawaiian Group (Bird, Necker, French Frigate Shoal and Laysan); the Bonins (Volcano Island?).

Genus **PTERODROMA** Bp.

Pterodroma Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, May 1856. Type (by subsequent designation, Coues, *Proc. Acad. Nat. Sci. Philad.* p. 137, 1866): *Procellaria macroptera* Smith.

Aestrelata Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, May 1856. Type (by subsequent designation, Coues, *Proc. Acad. Nat. Sci. Philad.* p. 137, 1866): *Procellaria haesitata* Kuhl.

Pterodroma macroptera macroptera (Smith) (25-399). Grey-faced or Great-winged Petrel.

Procellaria macroptera Smith, *Illustr. Zool. South Africa*, pt. xi, pl. 52, July 1840. Cape Seas. (Fig. Godman, pl. 46.)

Procellaria atlantica Gould, *Ann. and Mag. Nat. Hist.*, vol. xiii, p. 362, May 1st, 1844. Atlantic Ocean. Not of Bonaparte, 1824, which is *Cymochorea leucorhoa*.

Distr. : The Atlantic Ocean between South Africa and South America, and the Indian Ocean as far at least as the 80° of long. W.

Breeding : Tristan da Cunha and the Crozet Island ; and Kerguelen Island.

Pterodroma macroptera albani Mathews.

Pterodroma macroptera albani Mathews, *Austral Av. Rec.*, vol. i, p. 30, April 2nd, 1912. Rabbit Island, Albany, West Australia. (Fig. Math. pl. 83.)

Distr. : Western Australian Seas.

Breeding : Rabbit Island, Albany, S.W. Australia.

Pterodroma macroptera gouldi (Hutton).

Oestrelata gouldi Hutton, *Ibis*, July 1869, p. 351. New Zealand.

Distr. : Eastern Australian and New Zealand Seas.

Breeding : Islands off New Zealand.

Pterodroma [macroptera] aterrima Bonaparte. Mascarene Petrel.

Pterodroma aterrima Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 191, Oct. 1st, 1857. Bourbon or Reunion Island, Mascarene Islands. (Fig. Godman, pl. 47.)

Procellaria carbonaria Bonaparte, *ib.* as synonym of *aterrima* Bp. ex Solander MS.

Distr. : The seas of the Mascarene Island (Reunion, Mauritius and Rodriguez), north to the Gulf of Aden.

Breeding : Bourbon (or Reunion) Island.

Pterodroma macgillivrayi (Gray) (25-421). Black-Fiji Petrel.

Thalassidroma (Bulweria) macgillivrayi Gray, *Cat. Birds Tropic Islands, Pacific Ocean*, p. 56, 1859 (1860). Nguni, Fiji Islands. (Fig. Godman, pl. 75.)

Distr. : Fiji Islands.

Pterodroma lessoni lessonii (Garnot) (25-401). White-headed Petrel.

Procellaria lessonii Garnot, *Ann. Sci. Nat. Paris*, vol. vii, p. 54, 1826. Falkland Island Seas.

Puffinus sericeus Lesson, *Man. d'Orn.*, vol. ii, p. 402, 1828, June ; lat. 52° S., long. 85° W. South Pacific Ocean, west coast of Patagonia (collected by Coquille in 1825).

Distr. : Southern Oceans from a little south of the Tropic of Capricorn to the pack-ice. In the Indian and Atlantic Oceans.

Breeding : Falkland Islands, Atlantic Ocean : Kerguelen Island, Indian Ocean.

***Pterodroma lessonii australis* (Mathews).**

Aestrelata lessonii australis Mathews, *Austral Av. Rec.*, vol. iii, p. 54, April 7th, 1916. Sydney, New South Wales. (Fig. Buller, 1st ed. pl. 29; Gould, vii, pl. 49; Math. pl. 85; Godman, pl. 48.)

Procellaria leucocephala Forster, *Descr. Anim.*, p. 206, Jan. 1st, 1844. Australian Seas. Not Kuhl, *Beitr. Zool. vergl. Anat.*, p. 142, 1820 which is *Procellaria hasitata*.

Procellaria vagabunda Mathews, *Birds Austr.*, vol. ii, pt. 2, p. 155, July 31st, 1912. Not Gray, *Gen. Birds*, vol. iii, p. 648, June 1844: as synonym of *lessoni*.

Distr.: Southern Australian and New Zealand Seas, Pacific Ocean.

Breeding: Antipodes, Auckland, Bounty and Macquarie Islands off New Zealand.

***Pterodroma incerta* (Schlegel) (25-405). Tristan Petrel.**

Procellaria incerta Schlegel, *Mus. Pays-Bas*, vol. vi, *Procell.*, July 1863, p. 9. Cape of Good Hope (Fig. Godman, pl. 53.)

Procellaria sandaliata Mathews, *Birds Austr.*, vol. ii, pt. 2, p. 151, July 31st, 1912, 37° S. by 49° W. Not of Salvin in Rowley's *Miscell.*, vol. i, p. 232, and 238, May 1876, as synonym of *arminjoniana*.

Pterodroma satalandia Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 25, Oct. 31st, 1933, new name for *P. sandaliata* Mathews.

Distr.: South Atlantic Ocean: from Rio to the Horn and east to the Cape: South Indian Ocean.

Breeding: Tristan da Cunha.

***Pterodroma hasitata hasitata* (Kuhl) (25-402). The Diablotin or Black-capped Petrel.**

Procellaria hasitata Kuhl, *Beitr. Zool. vergl. Anat.*, zweite abt. p. 142, 1820 (pref. April 9th), ex Forster. Type in Leyden Museum. No locality; designated Guadeloupe Island, Dominica. (Fig Godman, pl. 49.)

Procellaria leucocephala Kuhl, *Beitr. Zool. vergl. Anat.*, zweite abt. p. 142, 1820 (pref. April 9th) as synonym of *P. hasitata* Kuhl.

Procellaria hartie Voigt, in Cuvier's *Thierreich*, vol. i, p. 913, 1831 (pref. Easter) new name for *hasitata*.

Procellaria diabolica Lafresnaye, *Rev. Zool.* 1844, p. 168, Guadeloupe Island.

Procellaria meridionalis Lawrence, *Ann. Lyc. Nat. Hist. New York*, vol. iv, p. 475, pl. xv, 1848 (after May 22nd). Florida.

Procellaria rubritarsi Newton, *Zoologist*, December, 1852, p. 3692, Swaffham, Norfolk (ex Gould MS.).

Procellaria mauaping Nobel, *Bull. Comp. Zool. Camb. Mass.*, vol. ix, no. 10, p. 372, Aug. 1916, as synonym of *hasitata* Kuhl, ex L'Herminier MS.

Distr.: Western Atlantic, around the West Indies, north to Virginia, New Hampshire, Kentucky, Ohio and Ontario; recorded for England (Norfolk) and Brazil.

Breeding: Lesser Antilles (formerly Guadeloupe, Dominica and Martinique, now the mountains of Hispaniola).

***Pterodroma hasitata cahow* (Nichols and Mowbray).**

Aestrelata cahow Nichols and Mowbray, *Auk*, vol. xxxiii, p. 194, April 1916 = March 31st. South-east side of Castle Island, Bermuda. Formerly bred on Bermuda. Now extinct.

Pterodroma caribbaea Carte (25-403). Carribean White-rumped Petrel or Blue Mountain Duck.

Pterodroma caribbaea Carte, *Proc. Zool. Soc. London*, 1866, p. 93, pl. 10, June 1st. Blue Mountains, Jamaica. (Fig. Godman, pl. 50; Rothschild, *Extinct Birds*, pl. 37.)

Prion caribbaeum Carte, ib. p. 95, ex Mitchell MS.

Oestrelata jamaicensis "A. & E. Newton, *Handb. Jamaica*," p. 117, 1881 (cf. Morris, *Nature* for Dec. 15th, 1881, vol. xxv, p. 151). Jamaica: ex *Procellaria jamaicensis* Bancroft, *Zool. Journ.*, vol. v, 1829, p. 81, after Feb. 1830. Summit of Blue Mountain Peak, Jamaica, a nomen nudum. Formerly bred on the Island of Jamaica. Now extinct.

Distr.: Formerly seas around the breeding localities.

Breeding: Formerly on Jamaica and Dominica.

Pterodroma rostrata rostrata (Peale) 25-404). Thick-billed Petrel.

Procellaria rostrata Peale, *U.S. Expl. Exped.*, vol. viii, p. 296, in or before Oct. 1848, Tahiti, Society Islands. (Fig. Cassin, pl. 41; Godman, pl. 51.)

Distr.: Seas of the Society Islands.

Breeding: Society Island.

Pterodroma rostrata parvirostris (Peale).

Procellaria parvirostris Peale, *U.S. Expl. Exped.*, vol. viii, p. 298, in or before Oct. 1848. Puka Puka = Honden, or Dog Island; Low or Paumotu Archipelago. (Fig. Cassin, pl. 40.)

Distr.: Paumotu Archipelago.

Pterodroma rostrata trouessarti Brasil.

Pterodroma rostrata trouessarti Brasil, *Bull. Mus. Hist. Nat. Paris*, vol. xxii, for Dec. 1917, p. 432, (fig. in text), Jan. or Feb. 1918. New Caledonia.

Distr.: New Caledonia.

Breeding: New Caledonia.

Pterodroma rostrata becki Murphy.

Pterodroma becki Murphy, *Amer. Mus. Nov.*, no. 322, p. 1, July 14th, 1928; lat. 155° E., long 3° S.

Distr.: East of New Ireland and north of Buka and Bougainville Islands, Solomon Group.

Breeding: Solomon Group (?) (New Ireland?)

Pterodroma alba (Gmelin) (25-405). Small-billed Petrel.

Procellaria alba Gmelin, *Syst. Nat.*, vol. i, pt. 2, p. 565, April 20th, 1789. Turtle and Christmas Islands = Christmas Island, designated type locality. (Fig. Godman, pl. 52.)

"White-breasted Petrel" Latham, *Gen. Synops. Birds*, vol. iii, pt. 2, p. 400, 1785. Turtle and Christmas Islands. Designated type locality, Christmas Island.

Procellaria variegata Bonnaterre, *Tab. Encyclop. Méth.*, vol. i, p. 78, 1791. Named Latham's Bird from Christmas Island.

Oestrelata wortheni Rothschild, *Bull. Brit. Orn. Club*, vol. xii, p. 62, April 28th, 1902. Pacific Ocean: lat. 3° S., long. 118° 45' W.

Aestrelata oliveri Mathews & Iredale, *Austral Av. Rec.*, vol. ii, p. 113, Sept. 24th, 1914. Kermadec Islands.

Distr.: Central tropical Pacific Ocean, from north of the Line to a little south of the Tropic of Capricorn, even to 30° South.

Breeding: Christmas Island, Phoenix and Canton Islands; Marquesas and Ducie Islands.

Pterodroma magentae (Giglioli & Salvadori) (25-407). Magenta Petrel.

Aestrelata magentae Giglioli & Salvadori, *Ibis*, Jan. 1869, p. 61, lat. 39° 38' S., long. 125° 58' W. South of Pitcairn and Ducie Islands. (Fig. Godman, pl. 55; Rowley, *Misc.* pl. 30.)

Distr. : South Pacific.

Breeding : Not known.

Pterodroma inexpectata (Forster) (25-414). Mottled Petrel.

Procellaria inexpectata Forster, *Descr. Anim.* ed. Licht. p. 204 (pref. Jan. 1st), 1844. Seas south of New Zealand. (Fig. Buller, 2nd ed. pl. 41; Godman, pl. 68; Math. vii, pl. 369.)

Procellaria gularis Peale, *U.S. Explor. Exped.* vol. viii, *Birds*, p. 299, in or before Oct. 1848; lat. 68° S., long. 95° W. (near Peter Island off Alexander Land).

Procellaria raoulensis Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 189, Oct. 1st, 1857; as synonym of, *P. inexpectata*.

Procellaria affinis Buller, *Trans. New Zeal. Inst.* 1874, vol. vii, p. 215, July 1875. Otago, New Zealand.

Aestrelata fisheri Ridgway, *Proc. U.S. Nat. Mus.* vol. v, 1882, p. 656, June 26th, 1883. St. Paul, Kodiak Island, Alaska.

Aestrelata scalaris Brewster, *Auk*, vol. iii, p. 390, July 1896, interior of New York State, United States of North America.

Procellaria lugens Mathews, *Birds Austr.* vol. ii, pt. 2, p. 159, July 31st, 1912. Tierra del Fuego (ex Solander), not Kuhl, 1820, which is *Paranectris griseus* Gm.

Pterodroma inexpectata thompsoni Mathews, *Austral Av. Rec.* vol. ii, p. 125, Jan. 28th, 1915. Tasmania. (Fig. Math. vii, pl. 369.)

Pterodroma neglus Mathews, *Bull. Brit. Orn. Club*, vol. xlix, Dec. 27th, 1928, new name for *Procellaria lugens* Mathews, 1912. Not Salvin, in Rowley's *Miscell.* vol. i, p. 235, May 1876, nor Gray, *Gen. Birds*, vol. iii, p. 648, June 1844, which is *Pterodroma brevirostris*.

Distr. : South Pacific Ocean off New Zealand, northwards to Alaska and Aleutian Islands. From the pack-ice in the south to nearly the same degree in the northern hemisphere. Occasionally off the Tasmanian Seas.

Breeding : On the islands off the south of New Zealand, Preservation Inlet (Akaroa) and Puysegur Point and islets off Stewart Island (Soloman, Cundy and Big South Cape Islands). The Snares, Chatham and Bounty Islands, New Zealand.

Pterodroma melanopus (Gmelin) (25-410). Bird of Providence or Brown-headed Petrel.

Procellaria melanopus Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 562, April 20th, 1789. North America error = Norfolk Island. (Fig. Math. ii, pl. 84; Godman, pl. 61.)

Procellaria grisea Bonnaterre, *Taill. Encyclop. Méth.* vol. i, p. 75, 1791. Norfolk Island. Not Gmelin *Syst. Nat.* pt. ii, p. 564, 1789, which is *Paranectris griseus*.

Procellaria solandri Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 363, May 1st, 1844. Bass Strait.

Procellaria phillipii Gray, *Ibis*, July 1862. Norfolk Island.

Procellaria agilis Gray, *Hand-l. Gen. Spec. Birds B.M.* pt. iii, p. 106, Aug. 18th, 1871: (pref. July 8th) as synonym of *phillipii* Gray.

Oestrelata montana Hull, *Proc. Linn. Soc. N.S.W.* vol. xxxv, p. 785, March 1st, 1911. Lord Howe Island.

Procellaria providentia Mathews, *Birds Norfolk and Lord Howe Islands*, p. 18, Oct. 16th, 1929. Norfolk Island.

Distr. : From East Australia almost across the Pacific Ocean to Ducie Island.

Breeding : Formerly on Norfolk Island, now Lord Howe Island; the Paumotu and the Austral Groups.

Pterodroma brevirostris (Lesson) (25-409). Short-billed or Kerguelen Petrel.

Procellaria brevirostris Lesson, *Traité d'Orn.*, livr. 8, p. 611, June 11th, 1833: no loc. Designated type locality Kerguelen Island. (Fig. Godman, pl. 60; Math. Suppl. pl. 38.)

Procellaria lugens Gray, *Gen. Birds*, p. 648, June 1844, as synonym of *Pterodroma brevirostris* (Lesson). Ex Solander MS. (Not Kuhl, 1820, which is *Paranectris griseus*.) See also *Ann. & Mag. Nat. Hist.* vol. xiii, p. 364, May 1844.

Oestrelata kidderi Cones, *Bull. U.S. Nat. Mus.* no. 2, p. 28, Nov. 1875. Kerguelen Island.
Procellaria unicolor Cones, ib., as synonym of *kidderi* Cones (ex Gould).

Distr.: South Atlantic and South Indian Oceans from West Australia, westwards to Tristan da Cunha and South America: south to the pack-ice.

Breeding: Kerguelen.

Pterodroma mollis mollis (Gould) (25-406). Soft-plumaged Petrel.

Procellaria mollis Gould, *Ann. & Mag. Nat. Hist.* xiii, p. 363, May 1st, 1844. South Atlantic Ocean. (Fig. Gould, *Austr.* vii, pl. 50; Math. pl. 86; Godman, pl. 54.)

Pterodroma dubius Mathews, *Bull. Brit. Orn. Club*, vol. xlv, p. 70, March 31st, 1924. North Australia? error = Indian Ocean.

Pterodroma deceptoris Mathews, *Nov. Zool.* vol. xxxviii, p. 34, Dec. 1932: lat. 36° 8' S., long. 88° 55' E. = New Amsterdam, and St. Paul's Islands, breeding.

Distr.: South Atlantic and Indian Oceans to Western Australia.

Breeding: Tristan da Cunha and Gough Islands, Atlantic Ocean; the Islands of New Amsterdam and St. Paul's, Indian Ocean.

Pterodroma mollis feae (Salvadori)

Oestrelata feae Salvadori, *Ibis*, April 1900, p. 302. Cape Verde Islands: id. *Ann. Mus. Civ. Genova*, ser. ii, vol. xx, p. 305, 1899 (1901)? San Nicolas Island, Cape Verde Group (sheet 20, dated Dec. 11th, 1899; date on back wrapper, 1901).

Distr.: North Atlantic Ocean.

Breeding: Cape Verde Islands.

Pterodroma mollis madeira Mathews.

Pterodroma mollis madeira Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 161, May 31st, 1934. Madeira.

Distr.: Seas of Madeira, Island and North.

Breeding: Madeira Island (not the Canaries).

Pterodroma mollis deserta Mathews.

Pterodroma mollis deserta Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 179, June 30th, 1934. Deserta Island. (Fig. Dresser, ix, pl. 721.)

Distr.: Seas around Deserta Island and South.

Breeding: Deserta Island.

Pterodroma heraldica heraldica (Salvin) (25-414). New Caledonian Petrel.

Aestrelata heraldica Salvin, *Ibis*, July 1888, p. 357. Chesterfield Island, north-west of New Caledonia. (Fig. Godman, pl. 67.)

Distr. The Pacific Ocean on either side of the Tropic of Capricorn, almost to the Line.

Breeding: Chesterfield Island, Tonga, the Marquesas and the Paumotu Group.

***Pterodroma heraldica paschae* Lönmborg.**

Pterodroma (Acstelata) heraldica paschae Lönmborg, in Skottsberg, *Nat. Hist. Juan Fernandez and Easter Island*, vol. iii, p. 23, (before July 19th) 1920. Easter Island.

Distr. : Western Pacific, seas around Juan Fernandez to Ducie Island.

Breeding : Easter Island.

***Pterodroma neglecta* (Schlegel) (25-412). Neglected or Kermadec Petrel.**

Procellaria neglecta Schlegel, *Mus. Pays-Bas*, vol. vi, *Procell.* p. 10, July 1863. Kermadec Islands. (Fig. Godman, pl. 64; Mathews, Suppl. pl. xi.)

Oestrelata leucophrys Hutton, *Proc. Zool. Soc. Lond.*, 1893, p. 752, pl. 63, Apr. 1st, 1894. Sunday Island, Kermadec Islands.

Rhantistes raoulensis Salvin, *Cat. Birds Brit. Mus.*, vol. xxv, p. 412, 1896 (pref. Nov. 3rd, 1895): as synonym of *neglecta* ex Bonaparte, *Compt. Rend. Acad. Sci. Paris*, vol. xlii, p. 765, April 1856 (ex Gould, MS.).

Pterodroma neglecta quintali Mathews, *Austral Av. Rec.*, vol. iii, p. 68, April 7th, 1916. Lord Howe Island.

Distr. : New Zealand Seas, northwards to the Kermadec and Lord Howe Islands. Seas around Juan Fernandez Islands.

Breeding : Kermadec (Sunday and Meyer) and Lord Howe Islands; Masatierra Island (Rapa and Ducie ?) and the Paumotu Group.

***Pterodroma arminjoniana* (Giglioli and Salvadori) (25-413). South Trinidad Petrel.**

Aestrelata arminjoniana Giglioli and Salvadori, *Ibis*, Jan. 1869, p. 62. South Trinidad Island. (Fig. Godman, pls. 65-6.)

Aestrelata trinitatis Giglioli and Salvadori, *Ibis*, Jan. 1869, p. 65. Trinidad Island, South Atlantic. *Procellaria sandaliata* Salvin in Rowley's *Miscell.* vol. i, pp. 232 and 238, May 1876, as synonym of *arminjoniana*.

Oestrelata wilsoni Sharpe, *Bull. Brit. Orn. Club*, vol. xii, p. 49, Feb. 28th, 1902. South Trinidad Island.

Aestrelata chionophara Murphy, *Auk*, vol. xxxi, January 1914, p. 13, pl. 2. Trinidad Islet.

Distr. : Seas around South Trinidad. Accidental to the United States (Ithaca, N.Y.).

Breeding : South Trinidad.

***Pterodroma phaeopygia phaeopygia* (Salvin) (25-407). Dark-rumped Petrel.**

Oestrelata phaeopygia Salvin, *Trans. Zool. Soc. Lond.*, vol. ix, p. 507, pl. 88, fig. 1, 1876. Chatham Island, Galapagos. (Fig. Godman, pl. 56; *T.Z.S.* ix, pl. 88.)

Distr. : The seas of the Galapagos Archipelago.

Breeding : Indefatigable Island, Galapagos Archipelago.

***Pterodroma phaeopygia sandwichensis* (Ridgway).**

Oestrelata sandwichensis Ridgway, in Baird, Brewer & Ridgway, *Mém. Mus. Comp. Zool. Harvard*, vol. xiii (*Water Birds of North America*, vol. ii), p. 395, 1884. Introd. March 31st. Hawaii Island, Sandwich Island. (Fig. Rothschild, *Laysan*, pl. 30.)

Distr. : Hawaiian Archipelago.

Breeding : Hawaiian Archipelago (Molokai, Kauai).

Pterodroma externa externa (Salvin) (25-411). Juan Fernandez Petrel.

Oestrelata externa Salvin, *Ibis*, July 1875, p. 373. Mas-a-fuera, of the Juan Fernandez Group. (Fig. Godman, pl. 62.)

Distr. : Juan Fernandez Group, to Clipperton Island (10° N., 109° W.).

Breeding : Masafuera in the Juan Fernandez Group.

Pterodroma externa cervicalis (Salvin) (25-411). Sunday Island Petrel.

Oestrelata cervicalis Salvin, *Ibis*, April 1891, p. 191. Kermadec Islands. (Fig. Buller, Suppl. pl. 4; Godman, pl. 63; *Cat. Birds*, xxv, pl. 6.)

Distr. : Seas of Kermadec.

Breeding : Sunday Island, Kermadec Islands.

Pterodroma externa tristani Mathews.

Pterodroma externa tristani Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 63, Dec. 30th, 1931. Tristan da Cunha.

Distr. : Tristan da Cunha.

Breeding : Tristan da Cunha (?).

Genus **COOKILARIA** Bp.

Cookilaria Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xliii, p. 994, Nov. 1856. Substitute name for "*Rhantistes* Reichenbach." Type (by original designation): *Procellaria cookii* Gray.

Rhantistes Reichenbach, *Nat. Syst. Vögel*, p. iv. 1852 (1853). Type (by original designation): *P. cookii* Gray. Not Kaup, *Skizz. Entwickl.-Gesch. Nat. Syst.* p. 105, 1829.

Oestrelatella Bianchi, *Faune de la Russie, Oiseaux*, vol. i, pt. ii, p. 521, Jan. 1913. Type (by subsequent designation, ib. p. 719: *Oestrelata hypoleuca* Salvin.

Cookilaria leucoptera leucoptera (Gould) (25-416). White-winged Petrel.

Procellaria leucoptera Gould, *Ann. Mag. Nat. Hist.*, vol. xiii, p. 364, May 1st, 1844. Cabbage Tree Island, Port Stephens, New South Wales. (Fig. Gould, vii, pl. 51; Math. pl. 88; Godman, pl. 69.)

Rhantistes velox Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, May 1856. New name for *leucoptera*. Not *Procellaria velox* Kuhl, 1820, which is *P. turtur*.

Cookilaria cookii byroni Mathews, *Bull. Brit. Orn. Club*, vol. xxxvi, p. 48, Feb. 3rd, 1916. Byron Bay, error = Port Stephens.

Distr. : Seas around New South Wales.

Breeding : Cabbage Tree Island, Port Stephens, New South Wales.

Cookilaria leucoptera brevipes (Peale) (25-408). Short-footed or Collared Petrel.

Procellaria brevipes Peale, *U.S. Expl. Exped.*, p. 294, vol. viii, in or before Oct. 1848: lat. 68° S., long. 95° W. (near Peter Island, off Alexander Island, Antarctic Circle). (Fig. Godman, pl. 57.)

Fulmarus anciteimensis Salvin, *Cat. Brit. Birds Mus.*, vol. xxv, p. 408 (pref. Dec. 16th, 1895), 1896, as synonym of *brevipes* (ex Gray, *Hand-l. Gen. Spec. Birds B.M.* pt. iii, p. 107, Aug. 18th, 1871, nude name).

Procellaria torquata Macgillivray, *Zool.*, vol. xviii, Aug. 1860, p. 7133. New Hebrides. (Fig. *Ibis*, 1891, pl. 9.)

Cookilaria melanopterus Mathews, *Ibis*, July 1933, p. 541, as a synonym of *brevipes* (ex Grey, *Hand-l. Gen. Spec. Birds B.M.* vol. iii, p. 106, Aug. 18th, 1871, nude name).

Distr. The Antarctic Circle, through the Pacific almost to the Line.

Breeding : Anciteum Island, New Hebrides; Vita Levu, Fiji.

Cookilaria leucoptera longirostris (Stejneger) (25-418).

Aestrelata longirostris Stejneger, *Proc. U.S. Nat. Mus.* vol. xvi, 1893, p. 618, Oct. 30th, 1893. Province of Mutzu, Hondo, Japan.

Distr. : Seas of Japan and Bonin Islands.

Breeding : Nohondo-shima, Parry Group, Bonin Islands.

Cookilaria leucoptera hypoleuca (Salvin) (25-409). White-breasted Petrel.

Oestrelata hypoleuca Salvin, *Ibis*, July 1888, p. 359. Krusenstern Rock, near Laysan. (Fig. Godman, pl. 58, and Rothschild, *Birds of Laysan*, pl. 30.) See *Thyellodroma cuneata*, p. 186.

Distr. : Seas around the Hawaiian Group.

Breeding : Hawaiian Group (Laysan, Pearle, Hermes, Lisianski, Krusenstern Reef, Midway and Ocean Islands and French Frigate Shoals).

Cookilaria leucoptera masafuerae (Lönnerberg).

Pterodroma cookii masafuerae Lönnerberg, in Skottsberg's *Nat. Hist. Juan Fernandez and Easter Islands*, vol. iii, pt. i, p. 14 (before July 19th) 1920. Masafuera Island.

Distr. : Seas around Juan Fernandez.

Breeding : Masafuera, Juan Fernandez Group.

Cookilaria cookii cookii (Gray) (25-417). Blue-footed Petrel.

Procellaria cookii Gray, in Dieffenbach's *Travels in New Zealand*, vol. ii, p. 199, mid-Jan. 1843. New Zealand. (Fig. Math, pl. 87 ; Godman, pl. 71 ; Erebb. & Terr, pl. 35.)

Procellaria velox Gray, *Gen. Birds*, vol. iii, p. 645, June 1844, as synonym of *Cookilaria cookii* (Gray). Ex Solander MS. Not Kuhl, 1820, which is *P. turtur*.

Distr. : Seas of the north of North Island, New Zealand.

Breeding : Little Barrier Islands and on the Chickens.

Cookilaria cookii pycrofti (Falla).

Pterodroma pycrofti Falla, *Rec. Auckland Inst. Mus.* vol. i, no. 4, p. 176, Sept. 25th, 1933. Taranga (Hen and Chickens Island), New Zealand (off the N.W. of North Island).

Distr. : Taranga Island.

Breeding : Taranga Island, or Hen and Chickens Island.

Cookilaria cookii axillaris (Salvin) (25-418). Chatham Island Petrel.

Oestrelata axillaris Salvin, *Bull. Brit. Orn. Club*, vol. i, p. xxxiii, March 1st, 1893. Chatham Islands. (Fig. Cat. Birds, xxv, pl. 7 ; Godman, pl. 72.)

Distr. : Not common on the seas around its breeding locality.

Breeding : Chatham Islands.

Cookilaria cookii nigripennis (Rothschild) (25-409).

Oestrelata nigripennis Rothschild, *Bull. Brit. Orn. Club*, vol. i, p. lviii, July 4th, 1893. Kermadec Islands. (Fig. Godman, pl. 59.)

Oestrelatella nigricollis Bianchi, *Faune de la Russie, Oiseaux*, vol. i, pt. ii, p. 727, Jan. 1913 : error for *nigripennis* Rothschild. (Cf. Bianchi, ib. p. 947.)

Distr. : Seas of the Kermadec Islands.

Breeding : Kermadec Islands (Sunday, Meyer, Macauley and Curtis).

Cookilaria cookii orientalis (Murphy).

Pterodroma cookii orientalis Murphy. *Amer. Mus. Novit.* no. 370, p. 5, Sept. 6th, 1929, 200 miles west of Callao, Peru.

Distr. : West coast of South America between lat. 12° and 34° South.

Breeding : Not known.

Cookilaria cookii defilippiana (Giglioli and Savadori) (25-417).

Astrclata defilippiana Giglioli and Salvadori, *Ibis*, Jan. 1869, p. 63. Off northern Chile.

Distr. : Seas around the breeding places.

Breeding : Masatierra and Santa Clara Islands of the Juan Fernandez Group.

Subfamily **PACHYPTILINAE**. Dove Prions.Genus **HALOBAENA** Bonaparte.

Halobaena Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, May 1856. Type (by monotypy): *Procellaria caerulea* Gmelin.

Zaprium Cones, *Bull. U.S. Nat. Mus.* no. 2, p. 34, Nov. 1875. Type (by monotypy): *P. caerulea* Gmelin.

Halobaena caerulea (Gmelin) (25-431). Blue Petrel.

Procellaria caerulea Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 560, April 20th, 1789. Southern Ocean, 47° to 58° S. (Fig. Gould, vii, pl. 52; Godman, pl. 81; Math. vol. ii, pl. 91.)

Procellaria forsteri Smith, *Illustr. Zool. South Africa*, pt. xi, pl. 43, July 1840. Cape Seas. Not Latham, *Index Ornith.* vol. ii, p. 827, 1790, which is *Pachyptila vittata*.

Procellaria similis Forster, *Descr. Anim. ed Licht.* p. 59 (pref. Jan. 1st), 1844. Antarctic Ocean.

Halobaena typica Salvin, *Cat. Birds Brit. Mus.* vol. xxv, p. 431, 1896 (pref. Dec. 16th, 1895), as synonym of *caerulea* Gm. ex Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, May 1856, nude name.

Halobaena caerulea victoriae Mathews, *Austral Av. Rec.* vol. iii, p. 54, April 7th, 1916. Victoria.

Halobaena caerulea murphyi Brooks, *Bull. Mus. Comp. Zool. Harvard*, vol. lxi, p. 146, June 1917. South Georgia.

Distr. : Southern Ocean reaching as far north as Victoria in Australia, about 42° S. lat. : even recorded from Fiji. Generally between the 40° and 60° parallel in the Southern Ocean.

Breeding : Kerguelen Island in the Indian Ocean; Falkland Islands and South Georgia in the Atlantic Ocean (Bouvet Island?). Not on Macquarie Island, off New Zealand.

Genus **PACHYPTILA** Illiger.

Pachyptila Illiger, *Prodr. Mamm. et Av.* p. 274 (pref. April 1811. Type (by subsequent designation Selby, *Cat. Gen. Subgen.* Types, *Aves*, p. 49, 1840): *P. forsteri* Latham = *Procellaria vittata* Gmelin.

[? *Prion* Lacepède, *Tabl. Oiseaux*, p. 15, 1799 (Dec.). Indeterminable, cf. Mathews and Iredale, *Ibis*, April 1913, p. 236; and Iredale, *Austral Av. Rec.* vol. ii, pt. i, p. 25, Aug. 2nd, 1913.

Priamphus Rafinesque, *Analyse Nat.* p. 72, 1815; new name for "*Prion* Lac."]

Prion Lesson, *Manuel d'Orn.* vol. ii, p. 399, June 1828. Type (by monotypy): *P. vittata* Gmelin.

Pachyptila vittata vittata (Forster) (25-432). Broad-billed Prion.

Procellaria vittata Forster, *Voyage Round the World*, vol. i, p. 98, 1777 (pref. March 1st). New Zealand. Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 560, April 20th, 1789. New Zealand, for same bird as Forster's. (Fig. Gould, *Austr.* vii, pl. 55; Godman, pl. 82; Math. vol. ii, p. 213.)

Procellaria forsteri Latham, *Index Ornith.* vol. ii, p. 827, before Dec. 9th, 1790. New Zealand.

Procellaria latirostris Bonnaterre, *Tabl. Encycl. Méth. Ornith.* vol. i, p. 81, 1791. New Zealand.

(*Prion*) *lamellirostris* Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, April 28th, 1856, as synonym of *Prion forsteri*.

Prion magnirostris Gould, *Proc. Zool. Soc. Lond.* 1862, p. 125, Aug. 1st. New Zealand.

Prion latirostris Gray, *Hand-l. Gen. Sp. Birds B.M.* vol. iii, p. 108, Aug. 18th, 1871 (pref. July 8th), as synonym of *vittata*.

Distr. : The seas round New Zealand from the north to the south and around Campbell and Auckland Islands. Has been washed up on the New South Wales coast.

Breeding : Dusky Sound : islands off Stewart Island and in Foveaux Strait ; Chatham and Auckland Islands.

Pachyptila vittata gouldi (Mathews) (25-434).

Prion vittatus gouldi Mathews, *Birds Austr.* vol. ii, pt. ii, p. 211, July 31st, 1912. Bass Strait, Victoria. (Fig. Math. vol. ii, p. 213.)

Prion vittatus missus Mathews, *Birds Austr.* vol. ii, pt. ii, p. 212, July 31st, 1912. Perth, South-west Australia. (Fig. Math. pl. 92.)

Distr. : The seas round Australia from Sydney to Perth or even north, especially on the west.

Breeding : On the islands off the south of Australia.

Pachyptila vittata macgillivrayi (Mathews)

Prion vittatus macgillivrayi Mathews, *Birds Austr.* vol. ii, pt. ii, p. 211, July 31st, 1912. St. Paul's Island, Indian Ocean.

Distr. : Seas around the breeding locality.

Breeding : New Amsterdam and St. Paul's Islands, Indian Ocean.

Pachyptila vittata salvini (Mathews)

Prion vittatus salvini Mathews, *Birds Austr.* vol. ii, pt. ii, p. 212, July 31st, 1912. "Crozet, Marion Island, etc." = Marion Island.

Heteropron desolatus crozeti Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 147, June 28th, 1932. Crozets.

Distr. : Cape Seas and Southern Indian Ocean ranging north to Mozambique and the Seychelles.

Breeding : Marion and Crozet Islands, Indian Ocean.

Pachyptila vittata keyteli (Mathews)

Prion vittatus keyteli Mathews, *Birds Austr.* vol. ii, pt. ii, p. 210, July 31st, 1912. Tristan da Cunha.

Distr. : Seas of Tristan and Gough Islands.

Breeding : Tristan da Cunha and Gough Islands, Atlantic.

Genus **ATTAPRION** Mathews.

Attaprian Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 25, Oct. 31st, 1833. Type (by original designation) : *Procellaria desolata* Gm.

Attapriion desolatus desolatus (Gmelin) (25-434). Dove Prion.

Procellaria desolata Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 562, April 20th, 1789. Kerguelen Islands. (Fig. Godman, pl. 84.)

Procellaria fasciata Bonnaterre, *Tabl. Encyclop. Méth. Ornith.* vol. i, p. 79, 1791, for same bird as Gmelin's *desolata*.

Prion rossi Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 193, Oct. 1st, 1857. Antarctic Ocean = Kerguelen Island. (ex *Prion rossi* Gray, *List, Spec. Birds Brit. Mus.* pt. iii, *Gallinae, etc.* p. 165, 1844, nude name.)

Prion dispar Vanhoffen, *Journ. f. Ornith.* 1905, p. 505, July. (nude name.)

Distr. : The Indian Ocean from south of Africa to West Australia.

Breeding : Kerguelen Island, Indian Ocean.

Attapriion desolatus mattingleyi (Mathews)

Heteropriion desolatus mattingleyi Mathews, *Birds Austr.* vol. ii, pt. ii, p. 226, July 31st, 1912. Geelong, Victoria. (Fig. Math. vol. ii, p. 231.)

Heteropriion desolatus alexanderi Mathews and Iredale, *Manual Birds Austr.* p. 42, March 9th, 1921. Cottesloe, South-west Australia.

Distr. : The seas of Southern and South-western Australia, apparently only south.

Breeding : Islands off the south and west of Australia.

Attapriion desolatus macquariensis (Mathews).

Heteropriion desolatus macquariensis Mathews, *Birds Austr.* vol. ii, pt. ii, p. 231, July 31st, 1912. Macquarie Islands.

Heteropriion desolatus alter Mathews, *Birds Austr.* vol. ii, pt. ii, p. 231, July 31st, 1912. Auckland Islands. (Fig. Math. vol. ii, p. 231.)

Distr. : Seas of Auckland and Macquarie Islands, New Zealand.

Breeding : Macquarie and Auckland Islands, New Zealand.

Attapriion desolatus banksi (Smith).

Pachyptila banksi Smith, *Illustr. Zool. South Africa, Aves*, pt. xi, pl. 55, July 1840. Cape Seas.

Heteropriion desolatus peringueyi Mathews, *Birds Austr.* vol. ii, pt. ii, p. 230, July 31st, 1912. Pondo-land coast, South Africa.

Distr. : South Atlantic from long. 0° to 20° E. and lat. 55° S.

Breeding : Bouvet Island (?).

Attapriion desolatus georgia (Mathews).

Heteropriion desolatus georgia Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 147, June 28th, 1932. South Georgia.

Pachyptila vittata georgicus Mathews, *Bull. Brit. Orn. Club*, vol. liii, p. 214, May 27th, 1933. Same bird as above.

Distr. : Atlantic Ocean from South Georgia through South Orkneys and South Shetlands to the pack-ice, and northwards to the 40° S.

Breeding : South Georgia, Atlantic Ocean.

Genus **HETEROPRION** Mathews.

Heteropriion Mathews, *Birds Austr.* vol. ii, pt. ii, p. 222, July 31st, 1912. Type (by original designation) : *Heteropriion becheveri* Mathews,

Heteropriion belcheri Mathews. Thin-billed Prion.

Heteropriion belcheri Mathews, *Birds Austr.* vol. ii, pt. ii, p. 224, figs. in text, p. 215, July 31st, 1912. Geelong, Victoria.

Distr. : Australia and New Zealand Seas. The east coast of South America from 35° S. to the Horn.

Breeding : (Islands off Australia or New Zealand ?). The Falkland Islands.

Probably breeding on the Subantaretic islands of New Zealand, ranging northward to the waters adjacent to Australia and New Zealand ; and the east coast of South America to Montevideo.

Genus **PSEUDOPRIION** Coues.

Pseudopriion Coues, *Proc. Acad. Nat. Sci. Philad.* p. 164 (for May) 1866. Type (by original designation) : *Procellaria turtur* Kuhl.

Fulmaripriion Mathews, *Birds Austr.* vol. ii, pt. ii, p. 215, July 31st, 1912. Type (by original designation) : *Pseudopriion turtur crassirostris* Mathews.

Pseudopriion turtur turtur (Kuhl) (25-436). Fairy Prion.

Procellaria turtur Kuhl, *Beitr. Zool. vergl. Anat.* zweite abt. p. 143, (pref. April 9th) 1820. Bass Strait. (Fig. Gould, *Austr.* vii, pl. 54 ; Math. pl. 93 ; Godman, pl. 85.)

Procellaria velox Kuhl, *Beitr. Zool. vergl. Anat.* zweite abt. p. 143, (pref. April 9th) 1820, as synonym of *turtur*.

Prion brevirostris Gould, *Proc. Zool. Soc. London*, 1855, p. 88, pl. 93, June 26th. Madeira error = Bass Strait.

Halobaena typica Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 194, Oct. 1857. Waigou Island, error = Bass Strait.

Prion ariel Schlegel, *Mus. Pays-Bas*, vol. vi, *Procell.* p. 18, July 1863. Bass Strait (ex Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 366, May 1st, 1844, nude name.)

Pseudopriion turtur nova Mathews, *Austral Av. Rec.* vol. iii, p. 55, April 7th, 1916. Sydney.

Distr. : The seas of New South Wales, Victoria and South Australia.

Breeding : Kent Group (North-east Island), Albatross Rock, Craggy Island, all in Bass Strait.

Pseudopriion turtur huttoni Mathews. The Chatham Fairy Prion.

Pseudopriion turtur huttoni Mathews, *Birds Austr.* vol. ii, pt. ii, p. 220, July 31st, 1912. Chatham Islands. (Fig. Math. vol. ii, p. 215.)

Distr. : Chatham Islands.

Breeding : Seas round Chatham Islands.

Pseudopriion [turtur] crassirostris Mathews. Fulmar-billed Prion.

Pseudopriion turtur crassirostris Mathews, *Birds Austr.* vol. ii, pt. ii, p. 221, July 31st, 1912. Bounty Island. (Fig. Math. vol. ii, p. 215.)

Distr. : Seas round Antipodes and Bounty Islands.

Breeding : The Antipodes and Bounty Islands.

Pseudopriion turtur fallai (Oliver). Smooth-billed Fairy Prion.

Pachyptila turtur fallai Oliver, *New Zealand Birds*, p. 114, August 1930. Otago, South Islands, New Zealand.

Pseudopriion turtur steadi Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 146, June 28th, 1932. An island off Stewart Island, New Zealand.

Distr. : Seas round Stewart Island, and south of South Island.

Breeding : The islands off Stewart Island (Cundy, Woman, Solomon and Betry Islands).

Pseudopron turtur oliveri Mathews. Flake-billed Fairy Prion.

Pseudopron turtur oliveri Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 147, June 28th, 1932. Motunau Island.

Distr. : From Banks Peninsula on the east of South Island, north to Cook Strait and to the extreme north of North Island, New Zealand.

Breeding : Motunau Island, Kapiti, Stephen and the Brothers Islands ; Little Barrier, Poor Knights and Chickens Islands.

Pseudopron turtur eatoni Mathews. Kerguelen Fairy Prion.

Pseudopron turtur eatoni Mathews, *Birds Austr.* vol. ii, pt. ii, p. 220, July 31st, 1912. Kerguelen Island.

Distr. : Indian Ocean.

Breeding : Kerguelen Island, Indian Ocean.

Pseudopron turtur solanderi Mathews. South American Fairy Prion.

Pseudopron turtur solanderi Mathews, *Birds Austr.* vol. ii, pt. ii, July 31st, 1912, p. 220. West coast of South America.

Distr. : Eastern Pacific.

Breeding : Islands off Chile ?

Subfamily **PROCELLARIINAE**. Shearwaters.Genus **PROCELLARIA** Linné.

Procellaria Linné, *Syst. Nat.* 10th ed. p. 131, Jan. 1st, 1758. Type (by subsequent designation, Gray, p. 78, 1840) : *Procellaria aequinoctialis* Linné.

Prionus Hombron et Jacquinot, *Comptes Rendus Acad. Sci. Paris*, vol. xviii, p. 355, March 1844. Type (by subsequent designation, Mathews & Iredale, *Austral Av. Rec.* vol. iv, p. 111, Dec. 16th, 1920) : *Procellaria aequinoctialis* Linné.

Majaqueus Reichenbach, *Nat. Syst. Vogel*, p. iv, 1852 (1853). Type (by original designation) : *P. aequinoctialis* Linné.

Cymatobolus Heine und Reichenow, *Mus. Hein.* p. 363, (pref. Sept.) 1890: new name for "*Majaqueus* Reich."

Procellaria aequinoctialis aequinoctialis Linné (25-395). White-chinned Petrel or Cape Hen.

Procellaria aequinoctialis Linné, *Syst. Nat.* 10th ed. p. 132, Jan. 1st, 1758. Cape Seas. (Fig. Godman, pl. 44.)

Procellaria nigra Forster, *Descr. Anim. ed. Licht.* p. 26, 1844 (pref. Jan.), substitute name for *aequinoctialis* L. (Not *Procellaria nigra* Pallas, *Spicil. Zool.* fasc. v, p. 28, 1769, which is indeterminate.)

Procellaria aequinoctialis mixta Mathews, *Birds Austr.* vol. ii, pt. i, May 30th, 1912, p. 111. Eastern Cape Seas. Type from the South Atlantic 300 miles north of Capetown.

Procellaria aequinoctialis brabournei Mathews, *Birds Austr.* vol. ii, pt. i, May 30th, 1912, p. 113. West coast of South America.

Distr. : From 60° S. lat. to the Tropic of Capricorn and even to the equator. From the Cape westward to South America and down the east coast to the South Shetlands : westward across the Indian Ocean as far as 100° E. lat. : casually to south-east Brazil, Angola and Mozambique.

Breeding : Falkland Islands ; South Georgia ; Crozets and Kerguelen.

Procellaria aequinoctialis stadi Mathews.

Procellaria aequinoctialis stadi Mathews, *Birds Austr.* vol. ii, pt. i, p. 112, May 30th, 1912. Antipodes Island. (Fig. Math. vol. ii, p. 112.)

Procellaria fuliginosa, White's *Journal*, pl. on p. 252, 1790. "Port Jackson" (not Gmelin, p. 562, which is indeterminable).

"Great Black Petrel" Latham, *Gen. Synop. Birds Suppl.* ii, 1802 (before April), p. 333. "Port Jackson."

Distr. : South-eastern Australian and New Zealand Seas. Has been recorded off Peru.

Breeding : Antipodes and Auckland Islands, New Zealand.

Procellaria aequinoctialis conspicillata Gould. Spectacled Petrel.

Procellaria conspicillata Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 363, May 1st, 1844. Australian Seas, error = Cape Seas. (Fig. Gould, vii, pl. 46; Math. pl. 79.)

Procellaria larvota Lesson, *Echo du Monde Sav.* June 1st, 1845, col. 971. Cape Seas.

Procellaria perspicillata Mathews, *Check-list Birds Austr.* pt. ii, p. iv, July 26th, 1923 : as synonym of *conspicillata* (ex Eyre, *Journ. Exp. Austr.* vol. i, p. 447, 1845, nude name).

Distr. : Only known from the seas south of South Africa, but recorded for "Australian Seas."

Breeding : Not known (off South Africa?).

Procellaria [aequinoctialis] parkinsoni Gray (25-397). Black Petrel.

Procellaria parkinsoni Gray, *Ibis*, July 1862, p. 245. New Zealand. (Fig. Buller, 1st ed. pl. 29; Godman, pl. 45; Math. pl. 80; *Cat. Birds*, xxv, pl. 5.)

Distr. : Eastern Australian and New Zealand Seas and east to the Galapagos Archipelago.

Breeding : Little Barrier Island, Te Moehau, the Waitakerei and Rimutaka mountains and probably on several other ranges in the Auckland, Wellington and Nelson Provinces of New Zealand.

Genus ADAMASTOR Bp.

Adamastor Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xliii, p. 595, Sept. 1856. Type (by original designation): *Procellaria haesitata* Forster = *Procellaria cinerea* Gmelin. Replaces *Prorhinus* auct. = *Procellaria* L.

Adamastor cinerea (Gmelin) (25-390). Pediunker or Grey Shearwater.

Procellaria cinerea Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 563, April 20th, 1789. Antarctic Circle = seas south of New Zealand. (Not Gunnerus 1761, which is *Fulmarus glacialis* L.) (Fig. Gould, vii, pl. 47; Math. pl. 81; Godman, pl. 14.)

Procellaria gelida Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 564, April 20th, 1789. "Inter 35° and 50° South."

"Cinereous Fulmar" Latham, *Gen. Synop. Birds*, vol. iii, pt. ii, 1785, p. 405.

Not "Cinereous Petrel," id. *Suppl.* ii, 1802, p. 335, which is *Thyellodroma pacifica*.

Procellaria melanura Bonnaterre, *Tabl. Encycl. Méth. Ornith.* vol. i, p. 79, 1791.

Procellaria haesitata Forster, *Desc. Anim. ed. Licht.* p. 208, Jan. 1st, 1844. Not Kuhl, *Beitr. Vergl. Zool. Anat.* p. 142, 1820.

Adamastor typus Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 187, Oct. 1st, 1857.

Procellaria adamastor Schlegel, *Mus. Pays-Bas*, vol. vi, *Procell.* p. 23, July 1863: new name only for *typus* Bonaparte.

Procellaria pallipes Mathews, *Birds Austr.* vol. ii, pt. ii, p. 123, July 31st, 1912. New Zealand.

Prorhinus cinereus dydimus Mathews, *Austral Av. Rec.* vol. iii, p. 54, April 7th, 1916. New Zealand.

Distr. : The Antarctic Ocean.

Breeding : Macquarie Island, New Zealand (?), Gough Island, (Tristan da Cunha ?), Round Island near Mauritius (?), Kerguelen.

} Same as
Gmelin's
species

Genus **AR DENNA** Reichenbach.

Ardenna Reichenbach, *Nat. Syst. Vögel*, p. iv, 1852 (1853). Type, by original designation, *Puffinus major* "Faber" of Reich. *Puffinus gravis* O'Reilly.

Ardenna gravis (O'Reilly) (25-373). Great Shearwater.

Procellaria gravis O'Reilly, *Voyage, Greenland, Adj. Seas*, p. 140, p. 12, f. 1, 1818 (May). Cape Farewell and Staten Hook to Newfoundland. (Fig. Godman, pl. 25.)

Puffinus major Temminck, *Man. d'Orn.* 2nd ed., vol. iv, p. 507, 1840. Newfoundland: not *Puffinus major* Faber, *Prodr. Isl. Orn.* p. 56, 1822 (pref. 28th Feb.), which is *Puffinus puffinus* Temm.

Distr.: Flies the Atlantic from at least 60° N. lat. or even the Arctic Circle to 50° S. or even 60°. Cf. Auk, 1934, p. 507.

Breeding: The Tristan da Cunha Group (Nightingale and Inaccessible Islands).

Ardenna kuhli kuhli¹ (Scopoli) (25-375). Mediterranean Great Shearwater.

Procellaria kuhli Boie, *Isis*, 1835, col. 257, Heft iii (for March) Corsica. (Fig. Godman, pl. 26.)

Nectris macrorhynchus Salvin, *Cat. Birds Brit. Mus.* vol. xxv, p. 375, 1896 (pref. Dec. 16th, 1895), as synonym of *kuhli* ex Heuglin, *Syst. Übers Vög. N.-O. Africa*, p. 68, 1856, nude name.

Distr.: The Mediterranean Sea, one record for England. South Atlantic from Brazil to the Cape Seas and on to Kerguelen Island, Indian Ocean. Visits America, according to Murphy, and mixes with *borealis*.

Breeding: In the Mediterranean Sea, Malta, Sardina, the Balearic, Corsica and the Cyclads off Greece. Berlengas, off Portugal.

Ardenna kuhli borealis (Cory).

Puffinus borealis Cory, *Bull. Nutt. Orn. Club*, vol. vi, no. 2, p. 84, April 1881. Off Chatham Island, Mass., United States of America.

Puffinus kuhli fortunatus Bannerman, *Bull. Brit. Orn. Club*, vol. xxxv, p. 120, May 26th, 1915. Isla Graciosa, Canary Islands.

Distr.: North Atlantic from east of America to Africa and even North Brazil. Accidental to New Zealand (cf. Oliver, *Emu* vol. xxxiv, pt. i, pp. 23-4, July 2nd, 1934).

Breeding: Azores, Madeira, Salvage Island and the Canaries.

Ardenna kuhli edwardsii (Oustalet).

Puffinus edwardsii Oustalet, *Ann. Sci. Nat. Zool. Ser. VI*, vol. xvi, art. 5, p. 1, 1883 (1884?). (Sheet mark Oct. 1883). Branco, Cape Verde Islands.

Puffinus mariae Boyd Alexander, *Ibis*, Jan. 1898, p. 92. Brava, Cape Verde Islands.

Distr.: Seas around Cape Verde Islands, one record for England.

Breeding: The Cape Verde Islands.

Ardenna kuhli flavirostris (Gould).

Procellaria flavirostris Gould, *Ann. and Mag. Nat. Hist.* vol. xiii, May 1st, 1844, p. 365. Off Cape of Good Hope in lat. 36° 39' S., long. 10° 3' E.

Distr.: Cape Seas to Kerguelen Island Seas.

Breeding: Kerguelen Island, Indian Ocean.

¹ ? *Procellaria diomedea* Scopoli, *Annus I, Hist. Nat.*, p. 74, 1769. (No locality given: Mediterranean Sea generally accepted, but cf. Hartert, *Vög. pal. Fauna Nachtr.*, 1, 1923, p. 77.)

—Cormier.

Ardenna creatopus (Coues) (25-376). Pink-footed Shearwater.

Puffinus creatopus Coues, *Proc. Acad. Nat. Sci. Phila.* 1864, no. 2, March-April = June 30th, p. 131. San Nicolas Island, California. (Fig. Godman, pl. 27.)

Puffinus? melanoleucus R. A. Philippi, *Anales, Mus. Nac. Chile; Zool.* vol. xv, sec. i, 1902, p. 93, pl. 41. (Prologo dated June 28th, 1901) Corral, Chile.

Distr. : The west coast of America from at least 35° to 40° south, to the Canadian Seas to the north.

Breeding : On the Juan Fernandez Group (Masatierra and Santa Clara); Mocha Islands off the coast of Chile; lat. 38° S., long. 74° W.

Genus **CALONECTRIS** M. & I.

Colonectris Mathews & Iredale, *Ibis*, July 2nd, 1915, pp. 590-592. Type (by original designation): *Procellaria leucomelas* Temm. and Laug.

Calonectris leucomelas (Temm. and Laug.) (25-370). Streaked or White-fronted Shearwater.

Procellaria leucomelas Temminck and Laugier, *Planches Colores d'Ois.* vol. v, livr. xcix, pl. 587, 1835. Seas of Japan. (Fig. Godman, pl. 21; and *Fauna Jap.* pl. 85; Mathews, Suppl. pl. 36.)

Nectris leucomelona Heine, *Nomencl. Mus. Heine*, p. 362, after September 1890, new spelling only.

Distr. : Range extends from coasts of Korea and Japan to the Malay Archipelago and New Guinea; occasionally to Ceylon.

Breeding : Korean Islands of Nishijima, Mikurasima, etc.

[The Pescadors and Bonin Islands?]

Genus **PUFFINUS** Brisson

Puffinus Brisson, *Ornith.* vol. i, p. 56, vol. vi, p. 130, 1760. Type (by tautonymy): *Puffinus* = *Procellaria puffinus* Brunnich.

Nectris Kuhl, *Beitr. Zool. vergl. Anat.* p. 146, 1820 (pref. April 9th). Type (by subsequent designation, Mathews, *Birds Austr.* vol. ii, p. 46, May 30th, 1912): *Procellaria puffinus* Brunnich.

Thyellus Gloger, in Froriep's *Notizen*, vol. xvi, p. 279, 1827 (May): new name for *Puffinus* Brisson.

Rhipornis Billberg, *Synops. Faunae Scand.* vol. i, tab. A, 1828: new name for *Puffinus* Brisson (cf. *Austral Av. Rec.*, vol. ii, pts. 2 and 3, p. 42, Oct. 23rd, 1913).

Cymotomus Macgillivray, *Man. Brit. Ornith.* vol. ii, p. 13, May 28th, 1842. Type (by monotypy): *Procellaria puffinus* Brunnich.

Puffinus puffinus puffinus (Brunnich) (25-377). The Manx Shearwater.

Procellaria puffinus Brunnich, *Orn. Bor.* 1764, p. 29. Faeroes and Norway = Faeroe Island. (Fig. Godman, pl. 28.)

Procellaria anglorum Temminck, *Man. d'Orn.* 2nd ed. vol. ii, p. 806, 1820 (before Oct. 21st). St. Kilda. *Puffinus arcticus* Faber, *Prodromus Island Ornith.* p. 56, 1822 (pref. February 28th). New name for *P. anglorum* Temm.

Puffinus major Faber, *Prodromus Island Ornith.* p. 56, 1822 (pref. February 28th). New name for *P. puffinus* Temm. = Brunnich.

Procellaria vulgaris Wood, *Ornith. Guide*, p. 215, 1835 (pref. Sept. 24th) = 1836, new name for the Manx Shearwater.

Puffinus scolorum Partington, *British Cyclop.* vol. iii, p. 429, 1837 (pref. June) new name for *P. anglorum* Temm.

Puffinus manksii Coues, *Proc. Acad. Sci. Philad.* 1864, March-April = June 30th, p. 135. New name for *anglorum* Temm.

Puffinus puffinus bermudae Nichols and Mowbray, *Auk*, vol. xxxiii, April 1916, p. 195. Gurnet Head Rock, Bermuda. Cf. Dwight, *Auk*, xlv, 1927, p. 243.

Distr. : Flies the North Atlantic Ocean and has been recorded south of the Line.

Breeding : Islands off Wales and Ireland, to the Hebrides, Orkney, Shetlands

and Faeroe Islands ; Scilly Islands ; Vestmann's Island, Iceland ; Bermuda, 65° W. in the Atlantic Ocean ; Azores, Madeira Group, Salvages (the Canaries ?); cf. *Ibis*, 1914, p. 472.

Puffinus puffinus yelkouan (Acerbi) (25-379). Eastern Mediterranean Manx Shearwater.

Procellaria yelkouan Acerbi, *Bibl. Itol.* vol. xlvii, p. 297, 1827 (after April 20th). The Bosphorus, opposite Bujukdere. (Fig. Godman, pl. 29 ? back fig.).

Procellaria propontidis Acerbi, *ib.* alternative name.

Procellaria bysantina Acerbi, *ib.* alternative name.

Distr. : The Eastern Mediterranean Sea.

Breeding : On the islands in the Aegean Sea, Eastern Mediterranean.

Puffinus puffinus mauretanicus Lowe. Western Mediterranean Manx Shearwater.

Puffinus puffinus mauretanicus Lowe, *Bull. Brit. Orn. Club*, vol. xli, p. 140, July 5th, 1921. Algiers. (Fig. Godman, pl. 29 front fig.).

Distr. : The Western Mediterranean Sea to England.

Breeding : Pityusae Islands (Formentera) and the Balearic Islands : Conejera, off the south coast of Majorca, cf. *Ibis* 1934, p. 722 ; and probably Corsica and Sardinia.

Puffinus puffinus opisthomelas Coues (25-380). Black-vented Manx Shearwater.

Puffinus opisthomelas Coues, *Proc. Acad. Nat. Sci. Philad.* no. 2, March-April = June 30th, p. 139, 1864. Cape San Lucas, Lower California. (Fig. Godman, pl. 30.)

Puffinus opatus Hartlaub and Finsch, *Mus. Godeffroy Cat.* v, p. 15, 1874, new name for *opisthomelas* Coues.

Puffinus couesi Mathews, *Birds Austr.* vol. ii, pt. i, p. 67, May 30th, 1912. Santa Cruz, California. Cf. Godman, *Monogr.* pt. ii, p. 109, March 1908, under *Puffinus opisthomelas*, Godman not Coues.

Distr. : From California to the Canadian Border.

Breeding : San Benito, Natividad and Guadelupe Islands.

Puffinus puffinus auricularis Townsend. Auriculated (or Townsend's) Manx Shearwater.

Puffinus auricularis Townsend, *Proc. U.S. Nat. Mus.* vol. xiii, p. 133, Sept. 9th, 1890. Clarion Island, Lower California. (Fig. Godman, pl. 31.)

Distr. : From Cape San Lucas south to Clipperton Island.

Breeding : Clarion, San Benedicto Islands in the Revilla Gigedo Group.

Puffinus puffinus newelli Henshaw. Hawaiian Manx Shearwater.

Puffinus newelli Henshaw, *Auk*, vol. xvii, 1900, July, p. 246. Waihee Valley, Ulani = Maui Island, Hawaiian Islands.

Distr. : The seas of the Hawaiian Archipelago.

Breeding : Hawaiian Group (Lanai and Molokai Islands (extinct ?).

Genus **ALPHAPUFFINUS** Mathews.

Alphapuffinus Mathews, *Austral Av. Rec.* vol. ii, pt. v, p. 110, Sept. 24th, 1914. Type (by original designation): *Puffinus assimilis* Gould.

Alphapuffinus assimilis assimilis¹ (Gould) (25-384) Allied or Little Shearwater.

Puffinus assimilis Gould, *Synops. Birds Austr.* pt. iv, App. p. 7, April 1st, 1838. Norfolk Island. (Fig. Gould, *Austr.* vii, pl. 59, Godman, pl. 35.)

Puffinus affinis Anon, *Penny Cyclop.* vol. xviii, p. 42, 1840, error for *assimilis*.

Nectris nugax Gray, *Gen. Birds*, vol. iii, p. 647, June 1844, as synonym of *Puffinus assimilis* Gould Ex Solander MS.

Puffinus australis Gould, *Birds of Austr.* pt. xxxv, vol. vii, Dec, 1st, 1848, text to pl. 59, ex Eyton, as synonym of *assimilis*.

Puffinus assimilis howensis Mathews, *Austral Av. Rec.* vol. ii, p. 125, Jan, 28th, 1915. Lord Howe Island.

Distr. : Eastern Australian Seas to Lord Howe and Norfolk Islands. New Zealand Seas.

Breeding : Norfolk and Lord Howe Islands : Three Kings ; Mokohinau ; Little Barrier ; the Chickens and Cuvier Islands, off New Zealand.

Alphapuffinus assimilis tunneyi (Mathews).

Puffinus assimilis tunneyi Mathews, *Birds Austr.* vol. ii, pt. i, p. 71, pl. 73, May 30th, 1912. Boxer Island, South-west Australia. (Fig. Math. pl. 73.)

Distr. : Seas of South-west Australia.

Breeding : Boxer Island.

Alphapuffinus assimilis kempii (Mathews).

Puffinus assimilis kempii Mathews, *Birds Austr.* vol. ii, pt. i, p. 69, May 30th, 1912. Chatham Islands.

Distr. : Chatham Island Seas.

Breeding : Chatham Island.

Alphapuffinus assimilis kermadecensis (Murphy).

Puffinus assimilis kermadecensis Murphy, *Amer. Mus. Nov.* no. 276, p. 3, Sept. 8th, 1927. Kermadec Islands.

Distr. : Seas of the Kermadec Islands.

Breeding : Kermadec Islands.

Alphapuffinus assimilis kuhliana² (Mathews).

Puffinus bicolor Tschudi, *Journ. f. Ornith.* May 1856, p. 187. Sala-y-Gomez and Waihu (indeterminable).

Puffinus kuhliana Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 25, Oct. 31st, 1933, new name for

Nectris munda Mathews, *Birds Austr.* vol. ii, pt. i, p. 59, May 30th, 1912, not Kuhl 1820, indeterminate.

Procellaria cyanopus Godman, *Monogr. Petrels*, pt. ii, p. 137, March 1908. Nude name.

Distr. : South Pacific, south of the Tropic of Capricorn from east of New Zealand towards South America.

Breeding : Rapa Island, Austral Group, Pacific Ocean.

Alphapuffinus assimilis elegans (Giglioli and Salvadori) (25-385).

Puffinus elegans Giglioli and Salvadori, *Ibis*, January 1869, p. 68. South Atlantic Ocean, lat. 43° 54' S., long. 9° 20' E. (Fig. Godman, pl. 36.)

Distr. : South Atlantic Ocean.

Breeding : Gough Island and Tristan da Cunha, South Atlantic Ocean.

¹ What is *Procellaria obscura* Gmelin, *Syst. Nat.* vol. i, p. 559, 1789, Christmas Island, Pacific Ocean ?

² What is *Procellaria munda* Kuhl, *Beit. Zool. vergl. Anat. zweite Abth.* p. 148, 1920 (prof. April 9th) ; lat. 48° 27' ; long. 93° = South Pacific off Chile (indeterminable) ?

Alphapuffinus assimilis baroli (Bonaparte).

Procellaria baroli Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 204, Oct. 1st, 1857. Mediterranean, Desertas, Madeira, Canary Islands. Restricted to Desertas, by Bannermann, *Ibis*, 1914, p. 477.

Puffinus gracilirostris Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 204, Oct. 1st, 1857, as synonym of *P. [assimilis] baroli* Bonaparte ib.

Puffinus godmani Allen, *Auk*, vol. xxv, July 1908, p. 339, Madeira.

Puffinus obscurus atlanticus Rothschild and Hartert, *Bull. Brit. Orn. Club*, vol. xxvii, p. 43, Jan. 23rd, 1911. Porto Santo near Madeira.

Distr. : North Atlantic Ocean, wandering to England and the African Coast.

Breeding : Azores, Madeira, Canary Islands, North Atlantic Ocean.

Alphapuffinus lherminieri lherminieri (Lesson) (25-382). Brown-backed Little Shearwater.

Puffinus [sic] lherminieri Lesson, *Rev. Zool.* vol. ii, p. 102, 1839, for April = May: "Ad ripas Antillarum" = West Indies.

Puffinus floridanus Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 204, Oct. 1st, 1857: as synonym of *obscura* Bp. = *lherminieri* Lesson.

Puffinus auduboni Hartlaub and Finsch, *Proc. Zool. Soc. (Lond.)*, p. 111, June 1st, 1872. Bahamas and Bermuda.

Distr. : Seas west of 40° W. long., along the Tropic of Cancer and several degrees on each side of it.

Breeding : West Indies and Bermuda, Western Atlantic Ocean.

Alphapuffinus lherminieri boydi (Mathews).

Puffinus lherminieri boydi Mathews, *Birds Austr.* vol. ii, pt. i, p. 70, May 30th, 1912. Cape Verde Islands.

Distr. : Seas around the breeding locality, to the British Isles.

Breeding : Cape Verde Islands, Eastern Atlantic Ocean.

Alphapuffinus lherminieri bailloni (Bonaparte).

Procellaria nugax a. bailloni Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 205, Oct. 1st, 1857. Mauritius.

Distr. : The Mascarene Islands, to the Seychelles.

Breeding : Mauritius, Indian Ocean.

Alphapuffinus lherminieri persicus (Hume) (25-381).

Puffinus persicus Hume, *Stray Feathers*, vol. i, no. 1, for Nov. 1872; p. 5, 1873. At sea between Guadar and Muscat. (Fig. Godman, pl. 33; *Cat. Birds*, pl. iv.)

Distr. : Arabian Sea from Aden to the Persian Gulf.

Breeding : Maldive Islands, Indian Ocean.

Alphapuffinus lherminieri polynesiae (Murphy).

Puffinus lherminieri polynesiae Murphy, *Amer. Mus. Nor.* no. 276, p. 8, Sept. 8th, 1927. Tahiti, Society Islands.

Distr. : Seas of the Society Islands.

Breeding : Society Islands, South-eastern Pacific Ocean.

Alphapuffinus lherminieri gunax (Mathews).

Puffinus lherminieri gunax Mathews, *Bull. Brit. Orn. Club*, vol. 1, p. 55, March 5th, 1930. Melapav Island, New Hebrides.

Puffinus lherminieri nugax Mathews, *Birds Austr.* vol. ii, pt. i, p. 72, May 30th, 1912. Off Townsville, North Queensland. Not *Puffinus nugax* Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 205, Oct. 1st, 1857. South Pacific Ocean. Not *Nectris nugax* Gray, 1844, cf. p. 180.

Distr. : Seas contiguous to New Hebrides and Banks Group.

Breeding : Melapav Island (?), Western Pacific Ocean.

Alphapuffinus lherminieri dichrous (Finsch and Hartlaub).

Puffinus dichrous Finsch and Hartlaub, *Faun. Centr. Polyn.* 1867, p. 244. McKean Island, Phoenix group. (Fig. Godman, pl. 34 ?).

Distr. : Seas around the Phoenix Group.

Breeding : Phoenix Group, mid-Pacific Ocean.

Alphapuffinus lherminieri minor (Hartlaub).

Puffinus opisthomelas var. *minor* Hartlaub, *Proc. Zool. Soc. (Lond.)*, 1867, p. 832, April 1868. Pelew Islands.

Puffinus tenebrosus Pelzeln, *Ibis*, Jan, 1873, p. 47. (Fig. 1 on p. 50.) Locality unknown; designated locality: Pelew Islands.

Distr. : Seas around the Pelew Islands.

Breeding : Pelew Islands, Western Pacific Ocean.

Alphapuffinus lherminieri bannermani (Mathews and Iredale).

Puffinus bannermani Mathews and Iredale, *Ibis*, July 1915, p. 594. North Iwojima, Bonin Islands.

Distr. : Seas around the Bonin Group.

Breeding : Bonin Group, North-west Pacific Ocean.

Alphapuffinus lherminieri subalaris (Ridgway).

Puffinus subalaris Ridgway, *Proc. U.S. Nat. Mus.* vol. xix, 1896, p. 650, March 15th, 1897. Dalrymple Rock, Chatham Island, Galapagos Archipelago.

Puffinus lherminieri becki Mathews, *Birds Austr.* vol. ii, pt. i, May 30th, 1912, p. 70. Culpepper Island, Galapagos Archipelago.

Distr. : Seas around the breeding locality.

Breeding : Galapagos Archipelago, eastern Pacific Ocean.

Alphapuffinus lherminieri heinrothi (Reichenow). New Britain Little Shearwater.

Puffinus heinrothi Reichenow, *Journ. f. Ornith.* April 1919, p. 225. Blanch Bay, New Britain.

Distr. : Seas around the type locality.

Breeding : At the type locality? Western Pacific Ocean.

Genus REINHOLDIA Mathews.

Reinholdia Mathews, *Austral Av. Rec.* vol. i, p. 107, Dec. 24th, 1912. Type (original designation):

Puffinus reinholdi Mathews = *Procellaria gavia* Forster.

Cinathisma Hull, *Emu*, vol. xv, p. 205, Jan. 1916 (ex Bull. no. 5, *Roy. Austr. Ornith. Union*, Dec. 21st, 1915). Type (by original designation): *C. cyaneoleuca* Hull = *hyroni* Mathews.

Reinholdia gavia gavia (Forster) (25–381). Fluttering Shearwater.

Procellaria gavia Forster, *Descr. Anim. ed. Licht.* p. 148, (pref. Jan. 1st), 1844. Queen Charlotte's Sound, Cook Strait, New Zealand. (Fig. Godman, pl. 32; Math. pl. 74.)

Puffinus reinholdi reinholdi Mathews, *Birds Austr.* vol. ii, pt. i, p. 74, May 30th, 1912. New Zealand.

Reinholdia reinholdi melanotis Mathews, *Bull. Brit. Orn. Club.* vol. xxxvi, p. 89, July 7th, 1916. Kaipara Beach, North Island, New Zealand.

Reinholdia reinholdi montaguei Mathews, *Austral Av. Rec.* vol. v, p. 2, July 17th, 1922. New Caledonia.

Distr. : The seas of New Zealand; and to New Caledonia accidentally.

Breeding : On islands off the east coast of the Auckland Province, New Zealand; Bream Islets, Mokohinau, Little and Great Barrier Islands, Hen and Chickens, Saddle Island, Alderman, Group, Motunau and Whale Island; Stephen Island, Ruamahur-iti. All off New Zealand.

Reinholdia gavia huttoni (Mathews).

Puffinus reinholdi huttoni Mathews, *Birds Austr.* vol. ii, pt. i, p. 77, May 30th, 1912. Snares Island.

Distr. : Seas off the south of New Zealand.

Breeding : The Snares.

Reinholdia gavia byroni Mathews.

Reinholdi reinholdi byroni Mathews, *Austral Av. Rec.* vol. i, p. 187, March 30th, 1913. Byron Bay New South Wales, error = Five Islands, off Wollongong, New South Wales. (Fig. Math. vol. vii, pl. 367, and *Emu*, vol. xv, pl. 31.)

Cinathisma cyaneoleuca Hull, *Emu*, vol. xv, p. 205, Jan. 1916: ex Bull. No. 5, *Royal Austr. Ornith. Union*, Dec. 21st, 1915. Off Wollongong, New South Wales. (New gen. and sp.)

Distr. : Seas off New South Wales and Victoria.

Breeding : Islands off New South Wales, near Wollongong (?).

Genus **HEMIPUFFINUS** Iredale.

Hemipuffinus Iredale, *Austral Av. Rec.* vol. ii, p. 20, Aug. 2nd, 1913. Type (by monotypy): *Puffinus carneipes* Gould.

Hemipuffinus carneipes carneipes (Gould) (25–385). Fleishy-footed Petrel.

Puffinus carneipes Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 365, May 1st, 1844. Near Cape Leeuwin, West Australia. (Fig. Gould, *Austr.* vii, pl. 57; Math. pl. 76; Godman, pl. 37.)

Distr. : South-west Australian Seas.

Breeding : Islands off Leeuwin; Breaksea, Rabbit and Mutton Bird Island; Recherche Archipelago.

Hemipuffinus carneipes hullianus (Mathews).

Puffinus carneipes hullianus Mathews, *Birds Austr.* vol. ii, pt. i, p. 90, May 30th, 1912. Norfolk Island, error = Lord Howe Island.

Puffinus carneipes hakodate Mathews, *Birds Austr.* vol. ii, pt. i, p. 90, May 30th, 1912. Japan. (Fig. Godman, pl. 37.)

Puffinus carneipes carbonarius Mathews, *Birds Austr.* vol. ii, pt. i, May 30th, 1912, pp. 90–91. Off Three Kings, North Island, New Zealand. Not of Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 768, April 28th, 1856: as synonym of *aterrimus*. Not of Gray, cf. p. 186.

Puffinus carneipes neozelandicus Mathews, *Bull. Brit. Orn. Club.* vol. xlii, p. 93, March 25th, 1926. Three Kings Island, new name for the following.

Puffinus carneipes zealandicus Mathews, *ib.* p. 76, Feb. 25th, 1926, not *Puffinus zealandicus* Sandager, *Trans. New Zeal. Inst.* vol. xxii, p. 291, May 1890.

Distr. : Lord Howe Island and New Zealand Seas. In the North Pacific

from Japan, round the periphery to California. Ranges east to Juan Fernandez off the South American coast.

Breeding : Lord Howe Island ; Karewa and Alderman Islands, Three Kings Island ; Hen and Chickens, Mercury (New Zealand).

Genus **NEONECTRIS** Mathews.

Neonectris Mathews, *Austral Av. Rec.* vol. ii, p. 12, Aug. 2nd, 1913. Type (by original designation) :

Puffinus brevicaudus Gould = *P. tenuirostris* T. & L.

Neonectris tenuirostris (Temm. & Lang.) (25-388). Short-tailed Shearwater.

Procellaria tenuirostris Temminck et Laugier, *Planches Colores d'Ois*, livr. xcix, vol. v, pl. 587, 1835. Japan. (Fig. *Fauna Jap.* pl. 86.)

Puffinus brevicaudus Gould, *Birds Austr.* pt. xxviii, Sept. 1st, 1847. Green Island, Bass Strait. (Fig. Gould, *Austr.* vii, pl. 56 ; Math. pl. 78 ; Godman, pl. 39.)

Puffinus intermedius Hull, *Emu*, vol. xi, p. 98, Oct. 2nd, 1911. Cabbage Tree Island, Port Stephens, New South Wales.

Neonectris tenuirostris grantianus Hull, *Emu*, vol. xv, p. 206, Jan. 1st, 1916 (ex Bull. No. 5, *Roy. Austr. Ornith. Union*, Dec. 21st, 1915. Ulladulla, New South Wales.

Neonectris tenuirostris hulli Mathews, *Bull. Brit. Orn. Club*, vol. xxxvi, p. 82, May 25th, 1916. Barrier Reef, Queensland.

Distr. : The Pacific Ocean from Tasmania north around the coast practically, and down the west coast of America to California.

Breeding : South Australia, Big Althorpe Island : Victoria, Griffith Islands, Phillip's Island in the Hunter and Furneaux Groups : Tasmania, Ninth Island in the north and Great Aetoe Island in the south.

Genus **PARANECTRIS** Iredale.

Paranectris Iredale, *Austr. Zool.* vol. vi, pt. ii, p. 115, Jan. 14th, 1930. Type (by original designation) :

Procellaria grisea Gm.

Paranectris griseus griseus (Gmelin) (25-386). Sombre Shearwater.

Procellaria grisea Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 564, April 20th, 1789. New Zealand Seas. (Fig. Godman, pl. 38 ; Math. pl. 77.)

"Grey Petrel" Latham, *Gen. Synops.* vol. iii, pt. ii, p. 399, 1785, 35° to 50° S.

Procellaria lugens Kuhl, *Beit. Zool. vergl. Anat.*, zweite Abth. p. 144, 1820 (pref. April 9th) : as synonym of *Puffinus griseus* Gm.

Procellaria tristis Forster, *Descr. Anim. ed. Licht.* p. 205, 1844 (pref. Jan. 1st). New Zealand.

Neonectris griseus pescadorei Mathews and Iredale, *Ibis*, July 1915, p. 602. Pescadores Island.

Neonectris griseus missus Mathews and Iredale, *Ibis*, July 1915, p. 603. Kurile Islands.

Neonectris griseus nutcheri Mathews, *Austral Av. Rec.* vol. iii, p. 54, April 7th, 1916. Sydney.

Distr. : Occurs in the East Australian and New Zealand Seas, migrating northwards to the Kurile Islands, where it meets the breeding birds from Chile which fly up the west coast of America.

Breeding : On headlands on the mainland of New Zealand, in a few localities and on many islands off the coast, Mokohinau, Moturoa, White Island, Whale Island, Alderman Islands, Kapiti, Chatham's Island, Stewart Island and especially in the off-lying islets ; and the Snares, Auckland Campbell and Macquarie Islands. Broughton Island, New South Wales.

Paranectris griseus chilensis (Bp.). Chilean Sombre Shearwater.

Nectris chilensis Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 202, Oct. 1st, 1857. Chile. Breeding Chile.

Nectris gama Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 202, Oct. 1st, 1857, named pl. 56 in Smith's *Birds of South Africa*, 1840. Designated locality: Pacific Ocean, off Chile. Breeding Chile.

Nectris amaurosoma Coues, *Proc. Acad. Nat. Sci. Philad.* 1864, p. 124, no. 2, March-April = June 30th. Lower California (Cape St. Lucas). Breeding Chile.

Distr. : West coast of America from Chile to the Kurile Islands.

Breeding : Chile, high up in the Andes, Cobija: and Wollaston Island, Chile, 15 miles north of Cape Horn.

Paranectris griseus stricklandi (Ridgway). Atlantic Sombre Shearwater.

Puffinus stricklandi Ridgway, in Baird, Brewer and Ridgway, *Mem. Mus. Comp. Zool.* vol. xiii (*Water Birds of North America*, vol. ii), p. 390, 1884. North Atlantic Ocean.

Distr. : Seas of South Atlantic, northward to the British Isles. Recorded from Fernando Po and the coast of Angola.

Breeding : Falkland Islands.

Genus **MICROZALIAS** M. & I.

Microzalias Mathews & Iredale, *Ibis*, 1915, p. 597, July 2nd. Type (by original designation): *Puffinus (Nectris) nativitatis* Streets.

Microzalias nativitatis (Streets) (25-389). Christmas Island Black Shearwater.

Puffinus (Nectris) nativitatis Streets, *Bull. U.S. Nat. Mus.* no. 7, p. 29, 1877 (pref. April). Christmas Island, Pacific Ocean. (Fig. *Birds of Laysan*, pl. 28; Godman, pl. 40.)

Distr. : The Pacific Islands, from a little north of the Tropic of Cancer to a little south of the Tropic of Capricorn.

Breeding : Marcus Island; Hawaiian Group (French Frigate Shoals, Laysan, Bird and Lisianski Islands); Christmas Island; Phoenix Group; south to Rapa and Ducie.

Genus **THYELLODROMA** Stejneger.

Thyelodroma Stejneger, *Proc. U.S. Nat. Mus.* vol. xi, p. 93, Nov. 8th, 1888. Type (by original designation): *Puffinus sphenurus* Gould = *Puffinus chlororhynchus* Lesson.

Zalias Heine und Reichenow, *Nomencl. Mus. Hein.* p. 362, (pref. Sept.) 1890. Type (by subsequent designation, Mathews, *List Birds Austr.* p. 33, Dec. 1913): *P. chlororhynchus* Lesson.

Thyelodroma pacifica pacifica (Gmelin). Dark Wedge-tailed Shearwater.

Procellaria pacifica Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 569, April 20th, 1789. Pacific Ocean, restricted to Kermadec Islands. (Fig. Mathews, pl. 75.)

Founded on "Pacific Petrel," Latham, *Gen. Synop. Birds*, vol. iii, pt. ii, 1785, p. 416.

Ginereous Petrel, ib. Suppl. ii, 1802, p. 335, not of 1785, p. 405, which is *Adamastor cinereus*.

Puffinus chlororhynchus iredalei Mathews, *Bull. Brit. Orn. Club*, vol. xxvii, p. 40, Dec. 31st, 1910. Kermadec Island.

Puffinus pacificus royanus Mathews, *Birds Austr.* vol. ii, pt. i, p. 85, May 30th, 1912. Sydney, New South Wales.

Puffinus pacificus whitneyi Lowe, *Bull. Brit. Orn. Club*, vol. xlv, p. 106, May 30th, 1925. Fiji Islands.

Distr. : Fiji to eastern Australian and New Zealand Seas, and to the Phoenix and Society Islands.

Breeding : Kermadec Islands ; Lord Howe and Norfolk Islands ; Islands off Queensland, Raine and Capricorn : off New South Wales, South Solitary, North Coffs, Broughton, Big Cabbage Tree, Big Bird, Five, Brush, Tollgate and Montague Islands ; Fiji (Kandavu) ; Phoenix and Society Islands.

***Thyellodroma pacifica chlororhyncha* (Lesson) (25-372).**

Puffinus chlororhynchus Lesson, *Traité d'Orn.* livr. viii, p. 613, June 11th, 1831. No loc. restricted to Slope Island, Shark's Bay, West Australia. (Fig. Gould, *Austr.* vii, pl. 58 ; Godman, pl. 24.)

Puffinus sphenurus Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 365, May 1st, 1844. Houtman's Abrolhos, Western Australia.

Procellaria carbonaria Gray, *Gen. Birds*, vol. iii, p. 647, June 1844 : as synonym of *P. chlororhynchus* Lesson.

Distr. : Seas of Western Australia.

Breeding : Islands off West Australia, Carnac, Abrolhos, Rat, Rottnest and Slope Islands. The Dampier Archipelago.

***Thyellodroma pacifica hamiltoni* (Mathews).**

Puffinus pacificus hamiltoni Mathews, *Birds Austr.* vol. ii, pt. i, p. 82, May 30th, 1912. Cousine, Island, Seychelles.

Distr. : Seas around the Mascarene Group to Seychelles and east to Christmas Island, Indian Ocean.

Breeding : Seychelles (Aride and Cousine Islands) : Round, Réunion and Mauritius in the Mascarene Group, Indian Ocean.

***Thyellodroma pacifica alleni* (Mathews).**

Puffinus pacificus alleni Mathews, *Birds Austr.* vol. ii, pt. i, p. 83, May 30th, 1912. San Benedicto Island, Revilla Gigedo.

Distr. : Seas of the Revilla Gigedo Group.

Breeding : Revilla Gigedo Group (San Benedicto) off Mexico.

***Thyellodroma pacifica cuneata* (Salvin) (25-371). Light Wedge-tailed Shearwater.**

Puffinus cuneatus Salvin, *Ibis*, July 1888, p. 353. Krusenstern Rock, near Laysan. (Fig. Godman, pl. 22, and *Av. Hawa.* pt. iv.) See *Cookilaria hypoleuca*, p. 170.

Puffinus knudseni Stejneger, *Proc. U.S. Nat. Mus.* vol. xi, p. 93, Nov. 8th, 1888. Hawaii. (Fig. *Av. Hawa.* pt. iv.)

Puffinus pacificus laysani Mathews, *Birds Austr.* vol. ii, pt. i, p. 83, May 30th, 1912. Laysan Islands.

Distr. : From the Bonin Islands, south to the Line and east to 140° W. long. Bonin, Vulcan, Marshall Islands.

Breeding : From the Bonins to the Hawaiian Archipelago (Kauai, Necker, Laysan, Bird, French Frigate Shoals and Lisiansky Islands), Sulphur, Marcus, Caroline, Surprise, McKean, Willis, Borabora, and Fanning Islands.

***Thyellobroma pacifica bulleri* (Salvin) (25-371). Ashy-back or New Zealand Shearwater.**

Puffinus bulleri Salvin, *Ibis*, July 1888, p. 354. New Zealand. (Fig. Buller, 2nd ed. pl. 41 ; Godman, pl. 23.)

Puffinus zealandicus Sandager, *Trans. New Zeal. Inst.* 1889, vol. xxii, p. 291, May 1890. Mokohinau New Zealand.

Distr. : From the east coast of the Auckland Peninsula, New Zealand, across the Pacific to California.

Breeding : Poor Knights Island [and Mayor Island ?] off New Zealand.

Family **THALASSIDROMIDAE** (Hydrobatidae). Short-legged Storm-Petrels.

Genus **THALASSIDROMA** Vigors.

Thalassidroma Vigors, *Zool. Journ.* vol. ii, no. 7, p. 405, 1825 (for October). Type (by original designation): *Procellaria pelagica* L.

Hydrobates Boie, *Isis*, 1822, col. 562, heft v, for May. Type (by subsequent designation, Baird, Brewer and Ridgway, *Water Birds of North Amer.* vol. ii, p. 403, 1884): *Procellaria pelagica* L. (not *Hydrobata* Vieillot, *Analyse*, p. 42, 1816.)

Zalochelidon Billberg, *Synops. Faun. Scand.* vol. i, pt. ii, 1828. Type (by monotypy): *Procellaria pelagica* L. Cf. *Austral Av. Rec.* vol. ii, pp. 42 and 48, Oct. 23rd, 1913.

***Thalassidroma pelagica pelagica* (Linné) (25–342). Storm Petrel.**

Procellaria pelagica Linné, *Syst. Nat.* ed. 10, vol. i, Jan. 1st, 1758, p. 131, in albo (= alto) Oceano. Restricted type locality; coast of Sweden. (Fig. Godman, pl. 1.)

Hydrobates faeroensis Brehm, *Handb. Naturg. Vögel Deutschl.* p. 803, 1831 (a substitute name for *pelagica* L.)

Thalassidroma minor Brehm, *Vögelang.* p. 353, 1855 (pref. Nov. 8th, 1854). North Sea.

Thalassidroma albi-fasciata Brehm, *Vögelang.* p. 354, 1855 (pref. Nov. 8th, 1854). North Sea.

Thal(assidroma) tenuirostris Brehm, *Naumannia*, 1855, as synonym of *T. pelagico* (L.).

Thalassidroma fasciolata Tschudi, *Journ. f. Ornith.* 1856, p. 180, May, a substitute name for *pelagica* L.

Thalassidroma dubia Mathews, *Ibis*, July 1933, p. 541, as synonym of *pelagica* L. (ex Tschudi, *Journ. f. Ornith.* 1856, p. 190, nude name.)

Distr.: Northern Atlantic Ocean, to the Lofoten Islands; the north-west coast of Canada in the later summer; to the Cape Seas and the west coast of Africa.

Breeding: Vestmansk Island off Iceland; Lofoten Islands off Northern Norway; Faeroes; Shetland and Orkneys and off Scotland; islands off Pembroke-shire and Wales and off Northern Ireland. Bass Rock; the Scillys; some Channel Islands and some off Brittany; off South Spain.

***Thalassidroma pelagica melitensis* Schembri.**

Thalassidroma melitensis Schembri, *Cat. Orn. del Gruppo di Malta*, p. 118, pl. 5, 1843. Malta.

Procellaria lugubris Bonaparte, *Atti Scienziati Italiani Milano*, vol. vi, 1844, p. 445, 1845 (Sept. 26th). Mediterranean Sea; designated locality, Malta (ex Natterer).

Distr.: The Mediterranean Sea.

Breeding: Corsica, Lipare (Italy); islands off Malta; the Balearic Islands (Eviza).

Genus **TETHYSIA** Mathews.

Tethysia Mathews, *Bull. Brit. Orn. Club*, vol. liii, p. 154, March 25th, 1933. Type (by original designation): *T. tethys* Bp.

***Tethysia tethys tethys* (Bonaparte) (25–346). The Galapagos White-rumped Storm Petrel.**

Thalassidroma tethys Bonaparte, *Journ. f. Orn.* vol. i, Jan. 1852, p. 47. Galapagos Islands. (Fig. Godman, pl. 2.)

Distr.: Seas between Galapagos Archipelago and the mainland of Northern South America.

Breeding: Galapagos Archipelago (Lower Island).

***Tethysia tethys kelsalli* (Lowe).**

Thalassidroma tethys kelsalli Lowe, *Bull. Brit. Orn. Club*, vol. xlv, p. 6, Nov. 4th, 1925. Ancón, Peru.

Distr.: Peruvian Coast.

Breeding: San Gallen and Pescadores Islands, off Peru.

Genus **HALOCYPTENA** Coues.

Halocyptena Coues, *Proc. Acad. Nat. Sci. Philad.* 1864, p. 78, no. 2, March-April = June 30th. Type (by original designation) *Halocyptena microsoma* Coues.

Halocyptena microsoma Coues (25-346). Least Storm Petrel.

Halocyptena microsoma Coues, *Proc. Acad. Nat. Sci. Philad.* 1864, p. 79, no. 2, March-April = June 30th. San José del Cabo, Lower California. (Fig. Godman, pl. 3, and Elliot, 2, p. 61.)

Distr. : The coast of West America from California to the Line (Equador).

Breeding : San Benito Island, Lower California ; Isla Partida : San Esteban. San Luis Islands, Consag Rock ; (Islands in the Gulf of California).

Genus **OCEANODROMA** Reichenbach.

Oceanodroma Reichenbach, *Nat. Syst. Vögel*, p. iv, 1852 (1853). Type (by original designation) *Procellaria furcata* Gmelin.

Oceanodroma furcata (Gmelin) (25-357). Fork-tail Petrel.

Procellaria furcata Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 561, April 20th, 1789. Icy seas between America and Asia = Bering Sea. (Fig. Godman, pl. xi.)

Procellaria orientalis Pallas, *Zoogr. Rosso-Asiat.* vol. ii, p. 315, 1811. Kurile Islands and Unalaska. *Procellaria fuscata* (sic) Pallas, ib. for the description in Pennant's *Zool. Arct.* vol. ii, p. 535, no. 463, 1785.

Th(alassidroma) cinerea Gray, *Gen. Birds*, vol. iii, p. 648, June 1844: as synonym of *P. furcata* Gm. (ex Gould).

Thalassidroma plumbea Peale, *U.S. Explor. Exped. Birds*, vol. viii, p. 292, Oct. 1848: as synonym of *furcata* Gm.

Procellaria cana Bianchi, *Faune de la Russie Ois.* vol. i, pt. ii, p. 564, Jan. 1913: as synonym of *furcata*; ex *Procellaria cana* Pallas, Georgi, *Geogr.-phys. Besch. Russ. Reichs.* vol. iii, Abt. vii, p. 1754, no description, 1801. Im Ostmeer um die Inseln = Kurile Islands.

Distr. : Northern Pacific Ocean on the American coast from North lat. 33° to Bering Sea ; to Kotzebue Sound in Alaska and opposite in Siberia, then south to Kobe in Japan.

Breeding : Aleutian Islands to Copper Island and perhaps the Kurile Islands ; Chica Rocks, Sitka Sound, Agattu (South and Forrester, and St. Lazaria Islands) ; Oregon (Bird rocks off Netarts Bay) ; California (Sugarloaf Rock, Trinidad, Humboldt Co., and Whaler Island, near Crescent City, Del Norte).

Genus **BANNERMANIA** M. & I.

Bannermania Mathews and Iredale, *Ibis*, July 1915, p. 578. Type (by monotypy) *Thalassidroma hornbyi* Gray.

Bannermania hornbyi (Gray) (25-356). Banded Fork-tail (or Chilian Fork-tail) Petrel.

Thalassidroma hornbyi Gray, *Proc. Zool. Soc. Lond.* 1853, p. 62 = July 25th, 1854. North-west coast of South America. (Fig. Godman, pl. 10.)

Procellaria (Oceanites) callaris Philippi, *Verhandl.-Deutschen wissenschaft. Vereins Santiago*, vol. iii, pt. i, p. 11 and plate, 1895. Tableland east of Taltal, Chile. Cf. *id. Anales Mus. Nac. Chile Zool.* no. 15, p. 90, pl. 42, fig. 3, 1902. Taltal, Chile.

Distr. : Occur only along the western coast of South America from 32° South to the Line.

Breeding : Taltal, Chile, lat 25° 25' 20" south and long. 70° 34' 10" west.

Genus **CYMOCHOREA** Coues.

Cymochorea Coues, *Proc. Acad. Nat. Sci. Philad.* 1864, p. 75, no. 2, March–April = June 30th. Type (by original designation) *Procellaria leucorhoa* Vieillot.

Pacificodroma Bianchi, *Faune de la Russie Ois.* vol. i, pt. ii, pp. 516, 559, Jan. 1913. Type (by original designation) *Thalassidroma monorhis* Swinhoe.

Loomelania Mathews, *Bull. Brit. Orn. Club*, vol. liv, p. 119, March 29th, 1934. Type (by original designation) *Procellaria melania* Bp.

Cymochorea leucorhoa leucorhoa (Vieillot) (25–345). Leaches Fork-tail Petrel.

Procellaria leucorhoa Vieillot, *Nouv. Dict. Hist. Nat.* vol. xxv, 1817 = Dec. 26th, 1818, p. 422. Maritime parts of Picardy. (Fig. Godman, pl. 4.)

Procellaria leachii Temminck, *Man. d'Orn.* 2nd ed. p. 812, 1820 (before Oct. 21st). St. Kilda.

Procellaria atlantica Bonaparte, *Journ. Acad. Nat. Sci. Philad.* vol. iii, p. 230, 1823 = Jan. 1824. Newfoundland.

Procellaria bullockii Fleming, *Hist. Brit. Anim.* p. 136, 1828 (before April 1st). St. Kilda.

Distr. : Atlantic from Greenland to the Mediterranean Sea.

Breeding : Atlantic Ocean (North-east), Vestman's Islets, Iceland ; The Flannans, St. Kilda Group and north Rona, Scotland ; off Mayo and Kerry in Ireland ; on the western side off Maine, between Muscogers Bay and Machias Bay and north to Greenland.

Cymochorea leucorhoa beali (Emerson).

Oceanodroma beali Emerson, *Condor*, vol. viii, March 20th, 1906, p. 54. Sitka Bay, Alaska.

Oceanodroma beldingi Emerson, *Condor*, vol. viii, March 20th, 1906, p. 54. Netarts Bay, coast of Oregon.

Distr. : Pacific from Bering Sea to South of the Line.

Breeding : Pacific (N.W.), Sitka Sound (South and Forrester Island), Oregon, rocks off Netarts Bay ; Olympiads, near Cape Flattery, Washington State ; Bering Sea, rocky islets off Attu, Kyska. Amchitka in the Aleutian Islands to Copper Island, near Commander Islands, and the Kurile Islands.

Cymochorea leucorhoa kaedingi (Anthony).

Oceanodroma kaedingi Anthony, *Auk*, vol. xv, Jan. 1898, p. 37. At sea near Guadalupe Island, Lower California.

Distr. : California south to Charion and Socorro Islands.

Breeding : Guadalupe Island, Lower California.

Cymochorea leucorhoa monorhis (Swinhoe) (25–356). Uniform Fork-tailed Petrel.

Thalassidroma monorhis Swinhoe, *Ibis*, Oct. 1867, p. 386. Near Amoy, China. (Fig. Godman, pl. 9 ; *Cat. Birds*, pl. 2.)

Distr. : China and Japan to Java and Sumatra.

Breeding : The small islands off N.W. Formosa.

Cymochorea leucorhoa socorroensis (Townsend) (25–352).

Oceanodroma socorroensis Townsend, *Proc. U.S. Nat. Mus.* vol. xiii, p. 134, Sept. 9th, 1890. Socorro Island, Revilla Gigedo Archipelago, Lower California.

Oceanodroma monorhis chapmani Berlepsch, *Auk*, vol. xxiii, April 1906, p. 185. San Benito Island.

Distr. : California south to the Galapagos.

Breeding : On the islands off Lower California and west coast of Mexico. (Castle Island, off Point St. George Island and Whaler Island, Sugarloaf Rock,

near Trinidad (Calif.), both near Crescent City, Del Norte (Calif.), South Farallons, Los Coronados, and San Benito (Calif.).

Cymochorea [monorhis] homochroa Cones (25-255). Ashy Fork-tail Petrel.

Cymochorea homochroa Cones, *Proc. Acad. Nat. Sci. Philad.* 1864, p. 77, no. 2, March-April = June 30th. Farallon Islands, California. (Fig. Godman, pl. 8.)

Distr. : Confined to the western coast of America between 38° and 33° North. San Francisco to Los Coronados Islands.

Breeding : South-east Farallon Island ; on some of the Santa Barbara Island, San Miguel Island, and Santa Cruz ; and Los Coronados Islands, Mexico.

Cymochorea macrodactyla (Bryant) (25-351). Guadalupe Fork-tail Petrel.

Oceanodroma leucorhoa macrodactyla Bryant, *Bull. Calif. Acad. Sci.* vol. ii, no. 8, p. 450, July 25th, 1887. Guadalupe Island, Lower California. (Fig. Godman, pl. 5A.)

Distr. : Seas around the breeding locality.

Breeding : Guadalupe Island only, California (Extinct ?).

Cymochorea melania melania (Bonaparte) (25-353). Black Fork-tail Petrel.

Procellaria melania Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xxxviii, 1854 (April 3rd), p. 662. Coast of California. (Fig. Godman, pl. 6.)

Procellaria scapulata Bonaparte, *Consp. Gen. Avium*, vol. ii, p. 196, Oct. 1st, 1857, as synonym of *melania* Bp.

Oceanodroma townsendi Ridgway, *Proc. U.S. Nat. Mus.* vol. xvi, 1893, p. 687, Nov. 24th, 1893. Off the coast of Western Mexico, north of Cape St. Lucas and Guaymas.

Distr. : The Pacific Ocean along the American coast from 40° North to 7°-10° South.

Breeding : Los Coronados, San Benito, Consag Rock, San Luis Archipelago, San Esteban Island and Isla Partida, Gulf of California.

Cymochorea melania matsudairae (Kuroda).

Oceanodroma melania matsudairae (sic.) Kuroda, *Ibis*, 1922, p. 311, April. Sagami Bay, Japan.

Distr. : The seas of Japan.

Breeding : Japanese islands off Sangmi Sea.

Cymochorea markhami Salvin (25-354). Grey-headed Fork-tail Petrel.

Cymochorea markhami Salvin, *Proc. Zool. Soc. Lond.* Oct. 1st, 1883, p. 430. Coast of Peru. Lat. 19° 40' S., long. 75° W. (Fig. Godman, pl. 7.)

Distr. : West Coast of South America from Callao, Peru, to Chile.

Breeding : Not known.

Cymochorea [markhami] owstoni M. & I. (25-352). Japanese Grey-headed Fork-tail Petrel.

Cymochorea owstoni Mathews & Iredale, *Ibis*, July 1915, p. 581. Akinose, Sagami Sea, Japan.

Distr. : Japan and some islands south, to the Hawaiian Archipelago.

Breeding : Japan and Hawaiian Archipelago.

Cymochorea castro castro (Harcourt) (25–350). Madeiran Fork-tail Petrel.

Thalassidroma castro Harcourt, *Sketch of Madeira*, p. 123, 1851. Deserta Island, near Madeira. (Fig. Godman, pl. 5.)

Thalassidroma jabe-jabe Barbosa du Bocage, *Jorn. Sci. Math. Phys. e Nature, Lisboa*, vol. v, no. 18, p. 120, for June 1875 (before Jan. 1876). Raza Island, Cape Verde Island.

Distr.: South Atlantic Ocean and Madeira, Canaries, etc., to the Gulf of Guinea. Accidental to Pennsylvania and District of Columbia, United States of America.

Breeding: Cape Verde Islands, Salvages, Madeira, Azores and St. Helena.

Cymochorea castro cryptoleucura Ridgway (25–350).

Cymochorea cryptoleucura Ridgway, *Proc. U.S. Nat. Mus.* vol. iv, p. 337, March 29th, 1882. Kauai, Sandwich Islands. (Fig. Dresser, ix, pl. 718.)

Thalassidroma cryptoleuca Ogilvie Grant, *Bull. Brit. Orn. Club*, vol. iv, p. xxxv, May 31st, 1895, new spelling only.

Distr.: Sandwich Islands.

Breeding: Sandwich Islands (Kauai, Mülhau and French Frigate Shoals).

Cymochorea castro bangsi (Nichols).

Oceanodroma castro bangsi Nichols, *Auk*, vol. xxxi, July 1914, p. 389. Lat. 1° W., long. 93° W.

Distr.: Seas of Galapagos Islands.

Breeding: Pacific Ocean Galapagos Archipelago (Cowley Island) (Cocos Island?).

Sub-family **OCEANITINAE**. Long-legged Storm Petrels.Genus **OCEANITES** Keys. & Blasius.

Oceanites Keyserling & Blasius, *H'irbelth. Europa's*, p. xciii, 1840 (before April). Type (by monotypy):

Thalassidroma wilsoni Bonaparte = *Procellaria oceanica* Kuhl.

Oceanites oceanicus oceanicus (Kuhl) (25–358). Yellow-webbed Storm Petrel.

Procellaria oceanica Kuhl, *Beitr. Zool. vergl. Anat.* Zweite Abt. p. 136, 1820 (pref. April 9th). South Atlantic Ocean. (Fig. Gould, *Austr.* vii, pl. 65; Godman, pl. 12.)

Procellaria wilsoni Bonaparte, *Journ. Acad. Nat. Sci. Philad.* vol. iii, 1823, p. 231, pl. ix, Jan. 1824, Newfoundland.

Oceanites oceanicus chilensis, W. B. Alexander, *Birds Ocean*, p. 86, 1928, nude name.

Distr.: The Atlantic, the British Islands to Canada (Newfoundland and Resolution Island in Hudson Straits), and south to the breeding-places.

Breeding: South Georgia; South Orkney and South Shetland Islands.

Oceanites oceanicus exasperatus Mathews.

Oceanites oceanicus exasperatus Mathews, *Birds Austr.* vol. ii, pt. i, p. 11, pl. 68, May 30th, 1912. New Zealand Seas. (Fig. Math. pl. 68.)

Distr.: The Indian Ocean to the Arabian Sea; Pacific Ocean, Australia and New Zealand Seas to the west coast of North America, California (Monterey to San Francisco).

Breeding: Cape Adare and Robertson Bay, South Victoria Land; Kaiser William Land; Queen Mary Land; Adelie Lands, and King George V Land.

Oceanites gracilis gracilis (Elliot) 25-361. Graceful Storm Petrel.

Thalassidroma gracilis Elliot, *Ibis*, 1859, p. 391, Oct. West coast of (South) America. (Fig. Godman, pl. 13.)

Procellaria americana, "American Petrel" Latham, *Gen. Hist. Birds*, vol. x, p. 189, 1824.

Distr. : Coast of Chile to the Line.

Breeding : Not known.

Oceanites gracilis galapagoensis Lowe.

Oceanites gracilis galapagoensis Lowe, *Bull. Brit. Orn. Club*, vol. xli, p. 140, July 5th, 1921. Charles Island, Galapagos Archipelago.

Distr. : Seas of the Galapagos Archipelago.

Breeding : Galapagos Archipelago.

Genus **PELAGODROMA** Reichenb.

Pelagodroma Reichenbaeh, *Nat. Syst. Vogel*, p. iv, 1852 (1853). Type (by original designation): *Procellaria marina* Latham.

Pelagodroma marina marina (Latham) (25-362). White-faced Storm Petrel.

Procellaria marina Latham, *Index Ornith.* vol. ii, p. 826 (before Dec. 9th), 1790. South Atlantic Ocean. (Fig. Godman, pl. 15.)

Procellaria aequorea Gray, *Gen. Birds*, vol. iii, p. 648, June 1844; as synonym of *Pelagodroma marina* (Latham). Both names were founded on the same description. Ex Solander MS.

Not *P. aquerea* Kuhl, *Beit. Zool. Vergl. Anat.* Zweite Abt. p. 138, 1820 (pref. April 9th), which may be *grallaria*?

Distr. : The South Atlantic, below the Tropic of Capricorn.

Breeding : Tristan da Cunha Group (Nightingale Island).

Pelagodroma marina hypoleuca (Moquin-Tandon).

Thalassidroma hypoleuca Moquin-Tandon, in Webb, Berthelot and Moquin-Tandon, *Orn. Canarienne*, vol. ii, p. 45, 1841. Teneriffe, Canary Islands. (Fig. Dresser, ix, pl. 719.)

Distr. : North-east Atlantic, North of the Line; to the British Islands and four hundred miles off the coast of New Jersey (lat. 40° 34' N., long. 66° 09' W.).

Breeding : Cape Verde and Salvages Islands.

Pelagodroma marina dulciae Mathews.

Pelagodroma marina dulciae Mathews, *Birds Austr.* vol. ii, pt. i, p. 21, May 30th, 1912. Breaksea Island, off Albany, South-west Australia. (Fig. Gould, vii, pl. 61; Math. pl. 70.)

Pelagodroma marina howei Mathews, *Birds Austr.* vol. ii, pt. i, p. 26, May 30th, 1912. Mud Island, Victoria (breeding).

Distr. : The Southern Australian Seas.

Breeding : S.W. Australia; small Islands off Cape Leeuwin; Abrolhos Islands (East Wallaby; Rat Island). In Victoria in Bass Strait; Furneaux Group (Isabella Rock), Petrel Island; Mud Island in Port Phillip Bay; Three Hummock, Penguin and Stack Islands in the Hunter Group; Islands off New South Wales (Tollgate, Tom Thumb, Five and Broughton Islands).

Pelagodroma marina maoriana Mathews.

Pelagodroma marina maoriana Mathews, *Birds Austr.* vol. ii, pt. i, p. 24, May 30th, 1912. Chatham Islands.

Distr. : Chatham Islands and New Zealand seas.

Breeding : Various islands off the coast of New Zealand, Mokohinau, Noises, Alderman; Motunau; islands off Steward Islands; Chatham, and Auckland.

Pelagodroma marina passerina (Mathews).

Procellaria passerina Mathews, *Birds Austr.* vol. ii, pt. i, p. 24, May 30th, 1912. Kermadec Islands (ex Solander MS.).

Distr. : Seas of Kermadec Islands.

Breeding : Kermadec Islands.

Genus **NESOFREGETTA** Mathews.

Nesofregatta Mathews, *Birds Austr.* vol. ii, pt. i, p. 31, May 30th, 1912. Type (by original designation): *Fregatta moestissima* Salvin.

Nesofregatta albigularis albigularis (Finsch) (25-367). White-throated Storm Petrel.

Procellaria albigularis Finsch, *Proc. Zool. Lond.* 1877, p. 722, April 1st, 1878. Kandavu, Fiji Islands. (Fig. Godman, pl. 9.) Cf. Murphy, *Amer. Novit.* no. 124, p. 11, 1924 (foot, fig. p. 12.)

Fregatta amphitrite Mathews, *Syst. Av. Austral.* vol. i, p. 108, June 13th, 1927 (as alternative name for *albigularis* Finsch). Ex Jardine, *Mém. Soc. Imp. Sci. Cherbourg*, vol. vi, 1858, p. 172, 1859. (Marquesas Islands), nude name.

Distr. : Mid Pacific, from a little north of the Line almost if not quite to the Tropic of Capricorn.

Breeding : Christmas Island ; Phoenix Group ; New Hebrides (Kandavu and Aneityum) ; Marquesas Group.

Nesofregatta albigularis moestissima (Salvin) (25-367).

Fregatta moestissima Salvin, *Proc. Zool. Soc. Lond.* p. 130, June 1st, 1879. Samoan Island. (Fig. Godman, pl. 20.)

Distr. : Samoa Seas if not extinct.

Breeding : Samoa if not extinct.

Genus **GARRODIA** Forbes.

Garrodia Forbes, *Collected Sci. Papers Garrod*, p. 521 (footnote), 1881 (pref. June 24th). Type (by original designation): *Thalassidroma nereis* Gould.

Garrodia nereis nereis (Gould) (25-361). Grey-backed Storm Petrel.

Thalassidroma nereis Gould, *Proc. Zool. Soc. Lond.* 1840, p. 178, July 1841. Bass Strait, Australia. (Fig. Gould, *Austr.* vii, pl. 64 ; Math. pl. 69 ; Godman, pl. 14.)

Procellaria sallatrix Mathews, *Birds Austr.* vol. ii, pt. i, p. 16, May 30th, 1912. New Zealand.

Procellaria longipes Mathews, *Birds Austr.* vol. ii, pt. i, p. 17, May 30th, 1912. New Zealand.

Distr. : New Zealand seas and to South-eastern Australia.

Breeding : Auckland and Chatham Island ; Tomahawk Island, Otago Peninsula, New Zealand (and Bounty Islands (?)).

Garrodia nereis chubbi (Mathews).

Oceanites nereis chubbi Mathews, *Birds Austr.* vol. ii, pt. i, p. 18, May 30th, 1912. Falkland Islands.

Distr. : Seas off South America, as far as Gough Island, Atlantic Ocean.

Breeding : Falkland Islands ; South Georgia.

Garrodia nereis couesi (Mathews).

Oceanites nereis couesi Mathews, *Birds Austr.* vol. ii, pt. i, p. 18, May 30th, 1912. Kerguelen.

Distr. : Seas around Kerguelen, Indian Ocean.

Breeding : Kerguelen.

Genus **FREGETTA** Bp.

Fregetta Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xli, p. 1113, Dec. 31st, 1855. Type (by original designation): *Thalassidroma leucogaster* Gould.
Cymodroma Ridgway, *Mem. Mus. Comp. Zool. Harvard (Water-Birds, North America, vol. ii)*, vol. xiii, pp. 363, 418, 1884 (introd. March 31st). Type (by monotypy): *Thalassidroma leucogaster* Gould.

***Fregetta tropica tropica* (Gould) (25-364).** Black-bellied Storm Petrel.

Thalassidroma tropica Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 366, May 1st, 1844. Atlantic Ocean. (Fig. Mathews, *Nov. Zool.* 1933, pls. 8 and 9.)

Distr. : Atlantic Ocean, North and South of the Line.

Breeding : Ascension Island (?), Atlantic Ocean.

***Fregetta tropica melanogaster* (Gould).**

Thalassidroma melanogaster Gould, *Ann. & Mag. Nat. Hist.* vol. xiii, p. 367, May 1st, 1844. South Indian Ocean (St. Paul and Amsterdam Islands.) Gould, *Birds Austr.* pt. xxvi, vol. vii, pl. 62, March 1st, 1847: fig. Math. pl. 71; Godman, pl. 17; *Emu*, xxii, pls. 26 and 29.

Fregetta tubulata Mathews, *Birds Austr.* vol. ii, pt. i, p. 42, May 30th, 1912. (Ex Gould's MSS.). "Near the coasts of West Australia." (Fig. Math. *Lord Howe*, pls. 5 and 10.)

Distr. : South Indian Ocean to West Australia; and South Atlantic.

Breeding : Kerguelen Island, Indian Ocean; South Orkneys, South Georgia and the Falklands, Atlantic Ocean.

***Fregetta tropica australis* Mathews.**

Fregetta tropica australis Mathews, *Austral Av. Rec.* vol. ii, p. 86, Sept. 24th, 1914. New Zealand.

Distr. : The Pacific Ocean from Australian and New Zealand Seas to Peru.

Breeding : New Zealand (Auckland and Bounty Islands).

***Fregetta leucogaster leucogaster* (Gould) White-bellied Storm Petrel.**

Thalassidroma leucogaster Gould, *Ann. Mag. Nat. Hist.* vol. xiii, p. 367, May 1st, 1844. Lat. 36° S., long. 6° 47' E. (between Tristan da Cunha and the Cape of Good Hope). (Fig. Gould, pt. xxvi, vol. vii, pl. 63, March 1st, 1847, and Godman, pl. 18, Dec. 1907.)

? *Procellaria fregetta* Kuhl, *Beit. Zool. Vergl. Anat. Ornithologie*, p. 138, 1820 (pref. April 9th). Off Montevideo, South America. Not *P. fregata* L. 1766, p. 212, indeterminate.

Procellaria aquerea Kuhl, *ib.* as synonym.

Distr. : The Atlantic, Indian and Pacific Oceans below the 35° South.

Breeding : Not known.

***Fregetta leucogaster deceptis* Mathews.**

Fregetta leucogaster deceptis Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 146, June 28th, 1932. Off New Zealand. (Fig. Mathews, *Nov. Zool.* 1933, pls. 7 and 9.)

Distr. : Seas off New Zealand.

Breeding : Not known.

Genus **FREGETTORNIS** Mathews.

Fregettornis Mathews, *Birds Austr.* vol. ii, pt. i, p. 31, May 30th, 1912. Type (by original designation): *Procellaria grallaria* Vieillot.

Fregettornis grallaria grallaria (Vieillot) (25-366). White-fringed Storm Petrel.

Procellaria grallaria Vieillot, *Nouv. Dict. d'Hist. Nat.*, vol. xxv, p. 418, Dec. 26th, 1818. Australian Seas, error = South America (restricted to Juan Fernandez). (Fig. Gould, *Austr.* vii, pl. 63; Math. pl. 72; Godman, p. 18; *Emu*, xxii, pls. 26-27.)

[? *P(rocclaria) aquerea* Kuhl, *Beit. Zool. vergl. Anal.* zweite abt. p. 138, 1820 (pref. April 9th), as synonym of *P. fregatta* "Banks" Kuhl, ib. ? equals *grallaria* V.]

Distr. : Eastern Pacific, below the Tropic of Capricorn from the type locality to the north and south.

Breeding : Santa Clara, Goat Island, Masatierra and Masafuera in the Juan Fernandez Groups.

Fregettornis grallaria royana Mathews.

Fregettornis royanus Mathews, *Austral Av. Rec.* vol. ii, no. 5, p. 86, Sept. 24th, 1914. Lord Howe Island. (Fig. Mathews' *Suppl.* pls. 5 to 10.)

Fregettornis innominatus Mathews, *Austral Av. Rec.* vol. ii, no. 7, p. 124, Jan. 28th, 1915. Lord Howe Island. (Pls. 6 and 10.)

Fregettornis insularis Mathews, *Austral Av. Rec.* vol. ii, no. 7, p. 124, Jan. 28th, 1915. Lord Howe Island. (Pls. 5 and 10.)

Fregettornis alisteri Mathews, *Austral Av. Rec.* vol. ii, no. 7, p. 124, Jan. 28th, 1915. Lord Howe Island. (Pls. 7 and 10.)

Cynodroma howensis Mathews, *Birds Norfolk and Lord Howe Islands*, p. 11, Oct. 16th, 1928. Lord Howe Island. (Fig. pls. 8 and 10.) For review, see Mathews, *loc cit.* pp. 7-12.

Distr. : South Pacific Ocean around the breeding locality.

Breeding : Lord Howe Island.

Fregettornis grallaria guttata (Mathews).

Fregetta guttata Mathews, *Nov. Zool.* vol. xxxix, no. 1, pp. 45 and 46, Oct. 23rd, 1933. Huapu Island, Marquesas Group. (Foot fig. *Ibis*, July 1933, pl. 18.)

Distr. : Seas around the Marquesas Group.

Breeding : Marquesas Group, Eastern Pacific Ocean.

Fregettornis grallaria titan (Murphy).

Fregetta grallaria titan Murphy, *Amer. Mus. Nov.* no. 322, p. 4, July 14th, 1928. Rapa Island Austral Group.

Distr. : Seas around Rapa.

Breeding : Rapa Island.

Fregettornis grallaria tristanensis Mathews.

Fregettornis grallaria tristanensis Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 123, April 30th, 1932. Tristan da Cunha, Atlantic Ocean.

Distr. : Seas around the Tristan da Cunha Group.

Breeding : Tristan da Cunha, South Atlantic Ocean.

Fregettornis melanoleuca (Salvadori). Black and White Storm Petrel.

Fregetta melanoleuca Salvadori, *Bull. Brit. Orn. Club*, vol. xxi, p. 79, April 27th, 1908. Tristan da Cunha. (Fig. Mathews, *Nov. Zool.* 1933, pls. 4 and 9.)

Distr. : Seas around Tristan da Cunha.

Breeding : Probably breeding on Tristan da Cunha.

Genus **PEALEA** Ridgway.

Pealea Ridgway, *Auk*, July 1886, p. 334. Type (by original designation): *Thalassidroma lineata* Peale.

Pealea lineata (Peale) (25-364). Lined Storm Petrel.

Thalassidroma lineata Peale, *U.S. Expl. Exped.* p. 293, 1848, in or before Oct. Upolu, Samoa. (Fig. Mathews, *Nor. Zool.* 1933, pls. 6 and 9, and Cassin, pl. 39.)

Distr. : Seas around Samoa.

Breeding : Samoa (if not extinct).

Genus **PEALEORNIS** Mathews.

Pealeornis Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 132, May 28th, 1932. Type (by original designation): *Pealeornis maoriana* Mathews.

Pealeornis maoriana Mathews. Peninsula Storm Petrel.

Pealeornis maoriana Mathews, *Bull. Brit. Orn. Club*, vol. lii, p. 132, May 28th, 1932. Bank's Peninsula. (Fig. Godman, pl. 16, Mathews, *Nor. Zool.* 1933, pls. 5 and 9.)

Distr. : Seas to the South of New Zealand.

Breeding : Banks Peninsula, east coast of South Island, New Zealand.

FAMILY **PELECANOIDEIDAE**. Diving Petrels.Genus **PELECANOIDES**.

Pelecanoides Lacepède, *Tabl. Ois.* p. 13, 1799. Type (by "implication"): *Procellaria urinatrix* Gmelin.

Haladroma Illiger, *Prodr. Mamm. & Av.* p. 274 (pref. April) 1811. Type (by monotypy): *P. urinatrix* Gmelin.

Oncorhynchus Rafinesque, *Analyse Nature*, p. 72, 1815. New name for "*Pelecanoides* Lac."

Pelecanoides urinatrix urinatrix (Gmelin) (25-437). Diving Petrel.

Procellaria urinatrix Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 560, April 20th, 1789. Queen Charlotte's Sound, South Island, New Zealand. (Fig. Gould, vii, pl. 60; Godman, pl. 86.)

Procellaria *tridactyla* Kuhl. *Beitr. Zool. vergl. Anat.* zweite, abt. p. 145, 1820 (pref. April 9th), as synonym of *urinatrix* Gm. (This name occurs in *A Voyage round the world*, Forster, p. 189, 1777, pref. March 1st, as a nude name.)

Distr. : Seas of Cook Strait, New Zealand.

Breeding : Stephen Island, Cook Strait, New Zealand.

Pelecanoides urinatrix belcheri Mathews.

Pelecanoides urinatrix belcheri Mathews, *Austral Av. Rec.* vol. i, p. 84, Sept. 18th, 1912. Victoria. (Fig. Mathews, ii, pl. 94.)

Pelecanoides urinatrix chathamensis Murphy & Harper, *Bull. Amer. Mus. Nat. Hist.* vol. xxxv, p. 65, April 1st, 1916. Chatham Islands. (Fig. Math. ii, pl. 94.)

Distr. : Seas of Southern Australia and New Zealand.

Breeding : Cliff Island of Wilson's Promontory; North-east Island Bass Strait; Mokohinau, Hen and Chickens, Three Kings, Great Barrier, Karewa and Alderman Islands; and islands off Stewart Island. The Chatham, Auckland and Snares Islands and perhaps Macquarie Island, New Zealand.

Pelecanoides urinatrix berard (Gaimard).

Procellaria Berard Gaimard, *Bull. Gén. et Univ. Ann. et Nouv. Sci.* vol. iii, no. 7, p. 53, after June 9th, 1823. Near the Falkland Islands.

Procellarius falklandicus Quoy and Gaimard, *Voy. Uranie and Physic. Zool.* p. 136, Sept. 18th, 1824. Falkland Island (cf. *Ibis* 1933, p. 541, and *Birds Australia*, vol. ii, p. 239, Sept. 20th, 1912).

(*Haladroma*) *melanoleuca* Bonaparte, *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 769, April 28th, 1856, as synonym of *berard*, ex Cuvier.

(*Pelecanoides*) *tenuirostris* Gray, *Handlist Gen. Sp. Birds B.M.* vol. iii, p. 102, Aug. 18th, 1871, as synonym of *berardi* Q. and G. ex Eyton.

Distr. : Seas around the Falkland Islands and northwards along the east coast of South America to Bahia Blanca.

Breeding : Falkland Islands.

Pelecanoides urinatrix dacunhae Nicoll.

Pelecanoides dacunhae Nicoll, *Bull. Brit. Orn. Club*, vol. xvi, p. 103, July 10th, 1906. Tristan da Cunha.

Distr. : Tristan da Cunha and Gough Islands.

Breeding : Tristan da Cunha.

Pelecanoides urinatrix coppingeri Mathews.

Pelecanoides urinatrix coppingeri Mathews, *Birds Austr.* vol. ii, pt. 3, p. 238, Sept. 20th, 1912. Straits of Magellan. Type from Cockle Cove, Pilot Island, Trinidad Channel, Chile.

Distr. : Seas of Chile.

Breeding : Trinidad Channel (?), Chile.

Pelecanoides urinatrix exsul Salvin (25-438).

Pelecanoides exsul Salvin, *Cat. Birds Brit. Mus.* vol. xxv, p. 438, 1896 (pref. Dec. 16th), 1895. Kerguelen Island. (Fig. Godman, pl. 87.)

Distr. : Indian Ocean, the seas around Kerguelen and to the Crozets [Auckland Islands, New Zealand ?].

Breeding : Kerguelen (Crozet Island ?).

Genus **PUFFINURIA** Lesson.

Puffinuria Lesson, *Man. d'Orn.* vol. ii, p. 392, June 1828. Type (by original designation and monotypy) : *P. garnotii* Lesson.

Puffinuria garnotii Lesson 25-438. Peruvian Diving Petrel.

Puffinuria Garnotii Lesson, *Man. d'Orn.* vol. ii, p. 394, June 1828, Coast of Peru, between Isla San Gallan and Lima. (Fig. Godman, pl. 88.)

Puffinuria garnotii lessoni Mathews, *Birds Austr.* vol. ii, pt. iii, p. 239, September 20th, 1912. Coast of Chile.

Distr. : Coastal waters of South America from Lobos de Terra, Peru to Valparaiso, Chile.

Breeding : Northern Peruvian Islands, Peseadores Islands, 8 miles off Ancon ; Chinchá Islands and San Gallan Island off Pisco, Peru.

Genus **PORTHMORNIS** M. & H.

Porthmornis (subgen.) Murphy and Harper, *Bull. Amer. Mus. Nat. Hist.* vol. xlix, art. xviii, p. 502, fig. 2 b, p. 503 (in key) ; p. 513, December 23rd, 1921. Type (by monotypy) : *Puffinuria garnotii magellani* Mathews.

Porthmornis magellani (Mathews). Magellan Diving Petrel.

Puffinuria garnotii magellani Mathews, *Birds Austr.* vol. ii, pt. iii, p. 239, September 20th, 1912. Straits of Magellan.

Distr. : Seas of the south of South America. Chilian, Fuegian and Patagonian coastal and inland waterways, from Cape Horn, north on the Pacific side of the continent to Trinidad Channel, and on the Atlantic side to Puerto Descado, Province of Santa Cruz, Argentina.

Breeding : Islands off Magellan Straits, London and Hermite Islands, Chile.

Genus **PELAGODYPTES** M. & H.

Pelagodyptes Murphy and Harper, *Bull. Amer. Mus. Nat. Hist.* vol. xlv, art. xviii, p. 502, fig. 2, c : p. 503, in Key : p. 519, Dec. 23rd, 1921. Type (by monotypy) : *Pelecanoides georgica* M. & H.

Pelagodyptes georgicus (M. & H.). South Georgian Diving Petrel.

Pelecanoides georgica Murphy & Harper, *Bull. Amer. Mus. Nat. Hist.* vol. xxxv, art. vii, p. 66, April 1st, 1916. Cumberland Bay, South Georgia, lat. 54° 16' S., long. 36° 26' W.

Distr. : Seas around South Georgia [and Macquarie Islands ?].

Breeding : South Georgia [and Macquarie Islands ?].

INDETERMINABLE.

The following names appear to be indeterminate.

Procellaria fregata Liné, *Syst. Nat.* ed xii, vol. i, p. 212, 1766 (pref. May 24th). Habitat, in Oceano.

Procellaria fuliginosa Gmelin, *Syst. Nat.* vol. i, pt. ii, p. 562, April 20th, 1789. Tahiti.

Procellaria diomedea Scopoli, *Annus Hist. Nat.* 1, p. 74, 1769. No locality. This is not *Ardenna kuhli* as some thought.

Procellaria curilica Pallas, *Zoogr. Rosso-Asiat.* vol. ii, p. 314, 1811. Kurile Islands.

Procellaria munda Kuhl, *Beit. Zool. Yergl. Anat.* zweite, abt. p. 148, 1820 (pref. April 9th). Lat. 48° 27', long. 93° = South Pacific, off Chile.

Procellaria parvirostris Peale, *U.S. Explor. Exped.* vol. viii, *Birds*, p. 298, 1848 (in or before October). Horden Island, of the Dangerous Archipelago (in August).

Puffinus bicolor Tschudi, *Journ. f. Ornith.* May 1856, p. 187, Sala-y-Gomez and Waihu.

Fregetta lawrencii Bonaparte *Comptes Rendus Acad. Sci. Paris*, vol. xlii, p. 769, April 28th, 1856. Florida, U.S.A.

Procellaria punctata Ellman, *Zoologist* 1861, p. 7463. Cf. Coles 1866, p. 162, as synonym of *Daption*. *Oceanodroma tristrani* Salvin, *Cat. Birds Brit. Mus.* vol. xxv, p. 354, (pref. Dec. 16th, 1895) 1896.

Sendai Bay, Japan.

Pterodroma sordida (Math.).

Procellaria sordida Mathews, *Birds Austr.* vol. ii, pt. ii, p. 162, July 31st, 1912. S.E. of Pitcairn Island.

Pterodroma agilis (Math.).

Procellaria agilis Mathews, *Birds Austr.* vol. ii, pt. ii, p. 152, July 31st, 1912. South of Easter Island.

Pterodroma siliga Mathews, *Bull. Brit. Orn. Club*, vol. xlvii, p. 40, Nov. 6th, 1926, new name for *agilis* Mathews, 1912, not Gray 1871.

Distr. : Seas of Easter Island.

Pterodroma velificans (Math.).

Procellaria velificans Mathews, *Birds Austr.* vol. ii, pt. ii, p. 161, July 31st, 1912. South of Easter Island.

Distr. : Well south of Easter Island.

Pterodroma atrata (Math.).

Procellaria atrata Mathews, *Birds Austr.* vol. ii, pt. ii, p. 163, July 31st, 1912. Pitcairn Island, S. lat. 25° 21', long. E. 129°.

Distr. : Pitcairn Island.

TUBINARES. Tube-nosed Swimmers.

SUPERFAMILIES

Nostrils divided by the culmen

Nostrils not divided by the culmen.

Dionedeoidea
Procellarioidea

1

a². Bill shorter than head; ungues divided from nasal tubes; nasal tubes less than half the length of the exposed culmen, being not one-third. Nostrils partially visible from above. Tail feathers 12 or 14.

FAMILIES

Bill short and stout, about as deep as wide at base; its greatest depth
culmen + depth of

unclimbed; depth from base of gonys to top of unguis about as deep as at the base of the gonys; greatest depth very nearly half the total length of the exposed convex and separated from the base of the gonys by a deep groove.

Bill all yellow; axillaries narrow.

Fulmarus

F. rodgersi.

F. glacialis

Nasal opening single, septum dividing the nostrils not visible; second primary longest: sternum entire.

SUBFAMILY THALASSIDROMINAE Short-legged Storm Petrels.

c ¹ . Larger: wing 181 mm.	.	.	.	.	.	.	<i>F. gallaria minor</i>
e ² . Smaller: wing 153 mm.	.	.	.	.	.	.	<i>F. gallaria gallaria</i>
d ² . Base of the second, third and fourth outer tail feather white on the inner web only.	.	.	.	.	.	.	<i>F. gallaria tristanensis</i>
e ⁴ . Wing 156-170 mm. (average 166).	Generally larger	.	.	.	.	.	<i>F. gallaria rojana</i> †
e ⁵ . Wing 158-168 mm. (average 162).	Generally smaller	.	.	.	.	.

* In *Castro* the tail (70 mm.) is less than half the length of the wing (157) and forked for less than 12 mm.; tarsus shorter than the middle toe and claw. In *Castro* the tail (70 mm.) is less than half the length of the wing (177) and forked for over 20 mm.; tarsus longer than the middle toe and claw.

tarsus longer than the middle toe and claw.

6. Tarsus longer than middle toe and claw. Tail less than half the length of the wing.

- a¹. Tail forked.
 a². Wing under 145 mm.
 b. Tail forked for less than 20 mm. Upper tail covert dark like the back. Tarsus about twice the length of the culmen. Wing over 100 mm.
 c¹. Tail not forked.
 d¹. Tail wedge shaped.
 d². Tail rounded or even.

- b¹. Tarsus about equal to or shorter than middle toe and claw for (if greater wing over 165 mm) wing over 115 mm (135 to 152 in *homocera*). Tail more than half the length of the wing except in *castra*.

- c¹. Colour grey above. Tail feathers broad, anteriorly more than posteriorly, tips not towards the ends.

- d¹. Grey above and below. Tarsus nearly twice as long as the culmen. Tarsus one and a half times the length of the culmen.

- e¹. Colour mostly above and below. Tarsus considerably longer than the culmen. All tail feathers broad and round at the ends.

Genus *Cynochelone*

- A¹. Upper tail coverts white.

- a¹. Tail forked for less than 12 mm. Tail measurement less than half the wing.

- a². Tail forked for more than 12 mm. Tail measurement greater than half the wing.

- b¹. White tail coverts tipped with black. Central coverts black tipped with white.

- b². White tail coverts uniform white with dusky shafts. Central coverts only.

- A². Upper tail coverts not white.

- a¹. A pale area on the under wing coverts; wing less than 192 mm.; tarsus less than 25 mm.

- a². No pale area on the under wing coverts.

- b¹. Head and throat not sooty black but plumbeous, tarsus much less than twice the length of the culmen; tarsus equal to or shorter than middle toe and claw.

- c¹. Wing under 160 mm.; tail measurement equal to half that of the wing.

- c². Wing over 160 mm.; tail measurement greater than half that of the wing.

- d¹. Upper tail coverts with a dark patch, tarsus heavy and the tarsal and long; tarsus more than 20 mm.

- d². Upper tail coverts without a dark patch, legs and feet small and slender; tarsus less than 20 mm.

- e¹. Head and throat sooty black; tarsus twice the length of culmen and longer than middle toe and claw. Feet large.

- e². Larger, claws broad, flat and pointed; webs black; tail square.

- f¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f². Larger, claws broad, flat and pointed; webs black; tail square.

- f³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹². Larger, claws broad, flat and pointed; webs black; tail square.

- f¹³. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f²¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f²². Larger, claws broad, flat and pointed; webs black; tail square.

- f²³. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f²⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f³¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f³². Larger, claws broad, flat and pointed; webs black; tail square.

- f³³. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f³⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴². Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁴⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵². Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁵⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶². Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁶⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷². Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁷⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸². Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁸⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹². Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹³. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁵. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁶. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁷. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁸. Larger, claws broad, flat and pointed; webs black; tail square.

- f⁹⁹. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰⁰. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰¹. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰². Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰³. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰⁴. Larger, claws broad, flat and pointed; webs black; tail square.

- f¹⁰⁵. Larger, claws broad, flat and pointed; webs black; tail square.

Ganys hooked, and longer than the nasal tubes; tail feathers 12. Nostrils separated by a thin septum, which is wholly or partially concealed inside the opening of the nasal tubes. Inner side of upper mandible without fringe-like processes.

A¹. Hind claw very large, equal in length to the nasal tubes; plumage white; culmen less than half as long as middle toe and claw; tail even

a¹. Bill small
a². Bill large

A². Hind claw small; plumage of upper parts not white; culmen more than half as long as middle toe and claw; tail graduated.

B¹. Depth of bill at shallowest part less than one-third the length of the lower mandible; birds bi-coloured; wing 201-250

g². Forehead, lores and the part below the commissure uniform with the head

e². Upper tail coverts white

b². Breast and abdomen dark

e¹. Tail less than half as long as wing

d¹. Wing under 210 mm.

d². Wing over 240 mm.

e¹. Upper tail coverts white

e². Upper tail coverts not white

f¹. Bill wide at gape

g¹. Inner webs of primaries not white. Bill and tarsus of about equal length

h¹. Back of neck and back sooty brown

i¹. Culmen not under 40; and bill only moderately stout; wing more than 270 mm.; tail graduated for about 12 mm.

i². Culmen under 40; and bill very stout; wing less than 260 mm.; tail graduated for about 20-30 mm.

l². Back of neck and back slaty-grey

g². Inner webs of primaries more or less white; bill shorter than tarsus

h¹. Lower tail coverts dark. Under wing lining dark; middle toe and claw over 50 mm.

i¹. Back and scapulars dark brown; white shafts to primaries; axillaries blackish brown. fringed with white

i². Back and scapulars slaty-grey; dark shafts to the primaries; axillaries dark with white tips

h². Lower tail coverts chiefly white; back grey or slaty-grey; dark shafts to the primaries; under wing lining and inner webs of primaries quite white; axillaries white, some barred with grey; middle toe and claw under 50 mm.

f². Bill much compressed; general aspect of plumage slaty-grey; no white on primaries

e². Tail more than half as long as wing; wing 190 to 210 mm.

Pagodroma
P. nivea
P. confusa

Coquilania
Pterodroma armingtoniana
Pterodroma hastata

Pterodroma macgillivrayi
Pterodroma caribbaea

Pterodroma macroptera
Pterodroma alerrima
Pterodroma mollis deceptornis

Pterodroma neglecta
Pterodroma melanopus

Pterodroma inexpectata
Pterodroma brevirostris
Bulweria

♂². Wing 169 to 180, average 175.9. *A. l. boydi*
 ♂². Bill slender.

BREEDING IN THE SOUTHERN HEMISPHERE

<i>Diomedea exulans.</i>	<i>Halobaena caerulea.</i>
<i>Diomedea epomophora.</i>	<i>Pachytila vittata.</i>
<i>Phoebastria irrorata.</i>	<i>Attapriion desolatus.</i>
<i>Thalassarche melanophris.</i>	<i>Heteroprion belcheri.</i>
<i>Thalassarche bulleri.</i>	<i>Pseudoprion turtur.</i>
<i>Thalassogeron chrysostoma.</i>	<i>Procellaria aequinoctialis.</i>
<i>Ncalbatrus chlororhynchus.</i>	<i>Procellaria parkinsoni.</i>
<i>Diomedella cauta.</i>	<i>Adamastor cinerea.</i>
<i>Phoebetria palpebrata.</i>	<i>Ardenna gravis.</i>
<i>Phoebetria fusca.</i>	<i>Ardenna creatopus.</i>
<i>Macronectes giganteus.</i>	<i>Hemipuffinus carneipes.</i>
<i>Daption capensis.</i>	<i>Reinholdia gavia.</i>
<i>Priocella antarctica.</i>	<i>Paranectris griseus.</i>
<i>Thalassoica antarctica.</i>	<i>Neonectris tenuirostris.</i>
<i>Pagodroma nivea.</i>	<i>Oceanites oceanicus.</i>
<i>Cookilaria cooki.</i>	<i>Oceanites gracilis.</i>
<i>Cookilaria leucoptera.</i>	<i>Pealeornis maoriana.</i>
<i>Pterodroma macroptera.</i>	<i>Fregetta tropica.</i>
<i>Pterodroma lessoni.</i>	<i>Fregetta leucogaster.</i>
<i>Pterodroma incerta.</i>	<i>Pealea lineata.</i>
<i>Pterodroma rostrata.</i>	<i>Fregettornis grallaria.</i>
<i>Pterodroma inexpectata.</i>	<i>Fregettornis melanoleuca.</i>
<i>Pterodroma macgillivrayi.</i>	<i>Garrodia nereis.</i>
<i>Pterodroma melanopus.</i>	<i>Tethysia tethys.</i>
<i>Pterodroma brevirostris.</i>	<i>Bannermania hornbyi.</i>
<i>Pterodroma heraldica.</i>	<i>Pelecanoides urinatrix.</i>
<i>Pterodroma neglecta.</i>	<i>Puffinuria garnoti.</i>
<i>Pterodroma arminjoniana.</i>	<i>Porthmornis magellani.</i>
<i>Pterodroma magentae.</i>	<i>Pelagodytes georgia.</i>
<i>Pterodroma externa.</i>	

BREEDING IN THE NORTHERN HEMISPHERE

<i>Phoebastria albatrus.</i>	<i>Thalassidroma pelagica.</i>
<i>Phoebastria nigripes.</i>	<i>Hylocyptena microsoma.</i>
<i>Phoebastria immutabilis.</i>	<i>Oceanodroma furcata.</i>
<i>Fulmarus glacialis.</i>	<i>Cymochorea leucorhoa.</i>
<i>Bulweria bulwerii.</i>	[<i>Cymochorea monorhis.</i>]
<i>Pterodroma hesitata.</i>	<i>Cymochorea homochroa.</i>
<i>Pterodroma caribbaea.</i>	<i>Cymochorea macrodactyla.</i>
<i>Calonectris leucomelas.</i>	<i>Cymochorea markhami.</i>
<i>Ardenna kuhli.</i>	<i>Cymochorea owstoni.</i>
<i>Puffinus puffinus.</i>	<i>Cymochorea melania.</i>

BREEDING IN THE NORTHERN AND SOUTHERN HEMISPHERES

<i>Pterodroma alba.</i>	<i>Microzalias nativitatis.</i>
<i>Pterodroma mollis.</i>	<i>Thyelodroma pacificus.</i>
<i>Pterodroma phaeopygia.</i>	<i>Pelagodroma marina.</i>
<i>Alphapuffinus assimilis.</i>	<i>Nesofregetta albigularis.</i>
<i>Alphapuffinus thermanieri.</i>	<i>Cymochorea castro.</i>

LIST OF NAMES.

- Adamastor, 176, 185.
 adamastor (Procellaria), 176.
 addenda (Priocella), 161.
 adusta (Diomedea), 152.
 Acipetes, 161.
 aequinoctialis (Procellaria), 175, 176.
 aequorea (Procellaria), 192.
 Aestrelata, 162, 164-168, 170, 171.
 affinis (Procellaria), 166.
 — (Puffinus), 180.
 agilis (Procellaria), 166, 198.
 — (Pterodroma), 198.
 alba (Ossifraga), 159.
 — (Pagodroma), 162.
 — (Pterodroma), 165.
 albanus (Pterodroma), 163.
 Albatros, 152.
 Albatrossa, 152.
 Albatrus, 152.
 albatrus (Diomedea), 153.
 — (Phoebastrea), 153.
 albi-fasciata (Thalassidroma), 187.
 albigularis (Nesofregatta), 193.
 — (Procellaria), 193.
 albus (Macronectes), 159.
 alexanderi (Diomedea), 152.
 — (Heteropron), 173.
 — (Thalassogeron), 152, 155.
 alisteri (Fregattornis), 195.
 allenii (Puffinus), 186.
 — (Thyelodroma), 186.
 Alphapuffinus, 179-182.
 alter (Heteropron), 173.
 amaurosoma (Nectris), 185.
 americana (Procellaria), 192.
 amphitrite (Fregatta), 193.
 aneiteimensis (Fulmarus), 169.
 anglorum (Procellaria), 178.
 — (Puffinus), 178.
 anjinho (Procellaria), 162.
 antarctica (Diomedea), 157.
 — (Phoebetria), 158.
 — (Priocella), 160, 161.
 — (Procellaria), 161.
 — (Thalassoica), 161.
 antarcticus (Fulmarus), 160.
 aquorea (Procellaria), 194, 195.
 arcticus (Puffinus), 178.
 Ardenna, 177, 178.
 ariel (Prion), 174.
 arminjoniana (Aestrelata), 168.
 — (Pterodroma), 168.
 assimilis (Alphapuffinus), 180, 181.
 assimilis (Puffinus), 179, 181.
 aterrima (Pterodroma), 163.
 atlantica (Diomedea), 157.
 — (Procellaria), 163, 189.
 atlanticus (Puffinus), 181.
 atrata (Procellaria), 198.
 — (Pterodroma), 198.
 Attapron, 172, 173.
 auduboni (Fulmarus), 160.
 — (Phoebetria), 158.
 — (Puffinus), 181.
 auricularis (Puffinus), 179.
 australis (Aestrelata), 164.
 — (Daption), 159.
 — (Fregatta), 194.
 — (Pterodroma), 164.
 — (Puffinus), 180.
 axillaris (Cookilaria), 170.
 — (Oestrelata), 170.
 bailloni (Alphapuffinus), 181.
 — (Procellaria), 181.
 bangsi (Cymochorea), 191.
 — (Oceanodroma), 191.
 banksi (Attapron), 173.
 — (Pachyptila), 173.
 bannermani (Alphapuffinus), 182.
 — (Puffinus), 182.
 Bannermania, 188.
 baroli (Alphapuffinus), 181.
 — (Procellaria), 181.
 Basilica, 158.
 bassi (Diomedea), 156.
 — (Nealbatrus), 156.
 beali (Cymochorea), 189.
 — (Oceanodroma), 189.
 beeki (Pterodroma), 165.
 — (Puffinus), 182.
 belcheri (Heteropron), 173, 174.
 — (Pelecanoides), 196.
 — (Thalassarhynchus), 154.
 beldingi (Oceanodroma), 189.
 berard (Pelecanoides), 197.
 — (Procellaria), 197.
 bermudae (Puffinus), 178.
 bicolor (Puffinus), 180, 198.
 borealis (Ardenna), 177.
 — (Procellaria), 160.
 — (Puffinus), 177.
 boydi (Alphapuffinus), 181.
 — (Puffinus), 181.
 brabournei (Procellaria), 175.
 brachiura (Diomedea), 153.

- brachyura (Diomedea), 153.
 brevicandus (Puffinus), 184.
 brevipes (Cookilaria), 169.
 — (Procellaria), 169.
 brevirostris (Prion), 174.
 — (Pterodroma), 166, 167.
 bulleri (Diomedea), 155.
 — (Puffinus), 186.
 — (Thalassarche), 155.
 — (Thyelodroma), 186.
 bullockii (Procellaria), 189.
 Bulweria, 162, 163.
 bulwerii (Bulweria), 162.
 — (Procellaria), 162.
 byroni (Cookilaria), 169.
 — (Reinholdia), 183.
 bysantina (Procellaria), 179.
- caerulea (Halobaena), 171.
 — (Procellaria), 171.
 cahow (Aestrelata), 164.
 — (Pterodroma), 164.
 Calonectris, 178.
 Calopetes, 159.
 campbelli (Phoebastria), 158.
 eana (Procellaria), 188.
 candida (Procellaria), 161.
 capense (Daption), 159.
 capensis (Daption), 159.
 — (Procellaria), 159.
 carbonaria (Procellaria), 163, 186.
 carbonarius (Puffinus), 183.
 caribbaea (Pterodroma), 165.
 caribbaeum (Prion), 165.
 carneipes (Hemipuffinus), 183.
 — (Puffinus), 183.
 carteri (Thalassogeron), 156.
 castro (Cymochorea), 191.
 — (Oceanodroma), 191.
 — (Thalassidroma), 191.
 cauta (Diomedea), 156.
 — (Diomedella), 156, 157.
 — (Thalassarche), 157.
 cervicalis (Oestrelata), 169.
 — (Pterodroma), 169.
 chapmani (Oceanodroma), 189.
 chathamensis (Pelecanoides), 196.
 chilensis (Neectris), 185.
 — (Oceanites), 191.
 — (Paranectris), 185.
 chinensis (Diomedea), 153.
 chionophara (Aestrelata), 168.
 chionoptera (Diomedea), 152.
 chlororhyncha (Thyelodroma), 186.
 chlororhynchus (Diomedea), 156.
 chlororhynchus (Diomedea), 156.
 — (Nealbatrus), 156.
 — (Puffinus), 185, 186.
 chrysostoma (Diomedea), 155.
 chrysostoma (Thalassogeron), 152, 155, 156.
 chubbi (Garrodia), 193.
 — (Oceanites), 193.
 Cinathisma, 182, 183.
 cinerea (Adamastor), 176, 185.
 — (Procellaria), 160, 176.
 — (Thalassidroma), 188.
 cinereus (Prion), 176.
 collaris (Oceanites), 188.
 — (Procellaria), 188.
 columba (Fulmarus), 160.
 columbina (Procellaria), 162.
 columbinus (Puffinus), 162.
 communis (Procellaria), 160.
 confusa (Pagodroma), 162.
 conspicillata (Procellaria), 176.
 cookii (Cookilaria), 169-171.
 — (Procellaria), 169-171.
 — (Pterodroma), 170.
 Cookilaria, 169-171.
 coppingeri (Pelecanoides), 197.
 cornicoides (Diomedea), 157.
 couesi (Garrodia), 193.
 — (Oceanites), 193.
 — (Puffinus), 179.
 crassirostris (Pseudoprion), 174.
 creatopus (Ardenna), 178.
 — (Puffinus), 178.
 crozeti (Heteroprion), 172.
 cryptoleuca (Thalassidroma), 191.
 cryptoleucura (Cymochorea), 191.
 culminata (Diomedea), 155, 156.
 — (Thalassogeron), 155.
 cuneata (Thyelodroma), 186.
 cuneatus (Puffinus), 186.
 curilica (Procellaria), 198.
 cyaneoleuca (Cinathisma), 182, 183.
 cyanopus (Procellaria), 180.
 Cymatobolus, 175.
 Cymochorea, 163, 189-191.
 Cymodroma, 194, 195.
 Cymotomus, 178.
- dabbenena (Diomedea), 152.
 dacunhae (Pelecanoides), 197.
 Daption, 159.
 deceptis (Fregatta), 194.
 deceptoris (Pterodroma), 167.
 defilippiana (Aestrelata), 171.
 — (Cookilaria), 171.
 derogata (Diomedea), 153.
 deserta (Pterodroma), 167.
 desolata (Procellaria), 172.
 desolationis (Thalassogeron), 156.
 desolatus (Attaprion), 173.
 — (Heteroprion), 172, 173.
 diabolica (Procellaria), 164.
 dichrous (Alphapuffinus), 182.
 — (Puffinus), 182.

Diomedea, 152–158.
 diomedea (Procellaria), 177, 198.
 Diomedella, 156, 157.
 dispar (Prion), 173.
 dovei (Macronectes), 159.
 dubia (Thalassidroma), 187.
 dubius (Pterodroma), 167.
 dulciae (Pelagodroma), 192.
 dydimus (Priofinus), 176.

eatoni (Pseudoprion), 175.
 edwardsii (Ardenna), 177.
 — (Puffinus), 177.
 elegans (Alphapuffinus), 180.
 empomophora (Diomedea), 153.
 epomophora (Diomedea), 153.
 — (Rhothonia), 152, 153.
 eremita (Diomedella), 157.
 exasperatus (Oceanites), 191.
 eximius (Thalassogeron), 156.
 exsul (Pelecanoides), 197.
 externa (Oestrelata), 169.
 — (Pterodroma), 169.
 exulans (Diomedea), 152, 153.

faeroecensis (Hydrobatas), 187.
 falklandica (Pagodroma), 162.
 falklandicus (Procellaria), 197.
 fallai (Pachyptila), 174.
 — (Pseudoprion), 174.
 fasciata (Procellaria), 173.
 fasciolata (Thalassidroma), 187.
 feae (Oestrelata), 167.
 — (Pterodroma), 167.
 flavirostris (Ardenna), 177.
 — (Procellaria), 177.
 floridanus (Puffinus), 181.
 forsteri (Macronectes), 158.
 — (Prion), 172.
 — (Procellaria), 171, 172.
 fortunatus (Puffinus), 177.
 fregata (Procellaria), 198.
 fregatta (Procellaria), 195.
 Fregetta, 193–195, 198.
 fregetta (Procellaria), 194.
 Fregettornis, 194, 195.
 fuliginosa (Diomedea), 157.
 — (Procellaria), 176, 198.
 Fulmariprion, 174.
 Fulmarus, 159, 160, 169, 176.
 furecata (Oceanodroma), 188.
 — (Procellaria), 188.
 fusca (Diomedea), 158.
 — (Phoebetria), 158.
 fuscata (Procellaria), 188.

galapagoensis (Oceanites), 192.
 gama (Nectris), 185.

garnotii (Priocella), 160.
 — (Puffinuria), 197, 198.
 Garrodia, 193.
 gavia (Procellaria), 182, 183.
 — (Reinholdia), 183.
 gelida (Procellaria), 176.
 georgia (Attaprion), 173.
 — (Diomedea), 153.
 — (Heteroprion), 173.
 georgica (Pelecanoides), 198.
 georgicus (Pachyptila), 173.
 — (Pelagodyptes), 198.
 gibbosa (Diomedea), 154.
 gigantea (Macronectes), 158.
 — (Ossifraga), 158.
 — (Procellaria), 158.
 giganteus (Macronectes), 158, 159.
 gigas (Procellaria), 158.
 gilliana (Diomedea), 154.
 glacialis (Fulmarus), 160, 176.
 — (Procellaria), 159, 160.
 glacialoides (Procellaria), 160, 161.
 glupischa (Fulmarus), 160.
 godmani (Puffinus), 181.
 gouldi (Oestrelata), 163.
 — (Pachyptila), 172.
 — (Prion), 172.
 — (Pterodroma), 163.
 gracilirostris (Puffinus), 181.
 gracilis (Oceanites), 192.
 — (Thalassidroma), 192.
 grallaria (Fregettornis), 195.
 — (Pelagodroma), 192.
 — (Procellaria), 194, 195.
 grantianus (Nectris), 184.
 gravis (Ardenna), 177.
 — (Procellaria), 177.
 — (Puffinus), 177.
 grisea (Procellaria), 166, 184.
 griseus (Nectris), 184.
 — (Paranectris), 166, 167, 184, 185.
 — (Puffinus), 184.
 gröndlandica (Procellaria), 160.
 gularis (Procellaria), 166.
 gunax (Alphapuffinus), 182.
 — (Puffinus), 182.
 guttata (Fregetta), 195.
 — (Fregettornis), 195.

haesitata (Procellaria), 162, 176.
 hakodate (Puffinus), 183.
 Haladroma, 196, 197.
 halli (Macronectes), 158.
 Halobaena, 171, 174.
 Halocyptena, 188.
 Halohippus, 159.
 hamiltoni (Puffinus), 186.
 — (Thyellodroma), 186.

harlic (Procellaria), 164.
 harterti (Thalassogeron), 155.
 hasitata (Procellaria), 164.
 — (Pterodroma), 164.
 heinrothi (Alphapuffinus), 182.
 — (Puffinus), 182.

Hemipuffinus, 183.
 heraldica (Aestrelata), 167, 168.
 — (Pterodroma), 167, 168.

Heteroprius, 172–174.
 homochroa (Cymochorea), 190.
 hornbyi (Bannermania), 188.
 — (Thalassidroma), 188.

howei (Pelagodroma), 192.
 howensis (Cymodroma), 195.
 — (Puffinus), 180.

hulli (Neonectris), 184.
 hullianus (Hemipuffinus), 183.
 — (Puffinus), 183.

huttoni (Phoebetria), 158.
 — (Pseudoprius), 174.
 — (Puffinus), 183.

— (Reinholdia), 183.
 Hydrobata, 187.
 Hydrobates, 187.

hyemalis (Procellaria), 160.
 hypoleuca (Cookilaria), 170.
 — (Oestrelata), 169, 170.

— (Pelagodroma), 192.
 — (Thalassidroma), 192.

immutabilis (Diomedea), 154.
 — (Phoebastria), 154.

impavida (Thalassarche), 155.
 incerta (Procellaria), 164.
 — (Pterodroma), 164.

inexpectata (Procellaria), 166.
 — (Pterodroma), 166.

innominatus (Fregettornis), 195.
 insularis (Fregettornis), 195.

intermedius (Puffinus), 184.
 iredalei (Puffinus), 185.

irrorata (Phoebastria), 154.

jabc-jabc (Thalassidroma), 191.
 jamaicensis (Oestrelata), 165.

kaedingi (Cymochorea), 189.
 — (Oceanodroma), 189.

kelsalli (Thalassidroma), 187.
 — (Thethysia), 187.

kempi (Alphapuffinus), 180.
 — (Puffinus), 180.

kernadecensis (Alphapuffinus), 180.
 — (Puffinus), 180.

keyteli (Pachyptila), 172.
 — (Prion), 172.

kidderi (Oestrelata), 167.

knudseni (Puffinus), 186.

kuhli (Ardeanna), 177.

— (Procellaria), 177.

— (Puffinus), 177.

kuhliana (Alphapuffinus), 180.

— (Puffinus), 180.

lamellirostris (Prion), 172.

larvata (Procellaria), 176.

latirostris (Prion), 172.

— (Procellaria), 172.

lawrenii (Fregetta), 198.

layardi (Thalassogeron), 157.

laysani (Puffinus), 186.

leachii (Procellaria), 189.

leptorhyncha (Diomedea), 153.

lessoni (Pterodroma), 163, 164.

— (Puffinuria), 197.

lessonii (Aestrelata), 164.

— (Procellaria), 163.

— (Pterodroma), 163, 164.

leucocephala (Procellaria), 164.

leucogaster (Fregetta), 194.

— (Thalassidroma), 194.

leucomelas (Calonectris), 178.

— (Procellaria), 178.

— (Puffinus), 178.

leucomelasma (Nectris), 178.

leucophrys (Oestrelata), 168.

leucoptera (Cookilaria), 169, 170.

— (Procellaria), 169.

leucorhoa (Cymochorea), 163, 189.

— (Oceanodroma), 190.

— (Procellaria), 189.

lherminieri (Alphapuffinus), 181, 182.

— (Puffinus), 181, 182.

lineata (Pealea), 196.

— (Thalassidroma), 196.

longipes (Procellaria), 193.

longirostris (Aestrelata), 170.

— (Cookilaria), 170.

— (Diomedea), 153.

Loomelania, 189.

lugens (Procellaria), 166, 167, 184.

lugubris (Procellaria), 161, 187.

macgillivrayi (Bulweria), 163.

— (Pachyptila), 172.

— (Prion), 172.

— (Pterodroma), 163.

— (Thalassidroma), 163.

maequariensis (Attaprius), 173.

— (Heteroprius), 173.

macroactyla (Cymochorea), 190.

— (Oceanodroma), 190.

Macronectes, 158, 159.

macroptera (Procellaria), 162, 163.

— (Pterodroma), 163.

- macrorhynchus (Nectris), 177.
 maculata (Procellaria), 161.
 madeira (Pterodroma), 167.
 magellani (Porthmornis), 198.
 — (Puffinuria), 197, 198.
 magentae (Aestrelata), 166.
 — (Pterodroma), 166.
 magnirostris (Prion), 172.
 Majaqueus, 175.
 major (Pagodroma), 161.
 — (Puffinus), 177, 178.
 manksii (Puffinus), 178.
 maoriana (Pealeornis), 196.
 — (Pelagodroma), 192.
 mariae (Puffinus), 177.
 marina (Pelagodroma), 192, 193.
 — (Procellaria), 192.
 markhami (Cymochorea), 190.
 masafuerae (Cookilaria), 170.
 — (Pterodroma), 170.
 mathewsi (Diomedea), 155.
 matsudairae (Cymochorea), 190.
 — (Oceanodroma), 190.
 mattleyleyi (Attapriion), 173.
 — (Heteroprion), 173.
 mauping (Procellaria), 164.
 mauretanicus (Puffinus), 179.
 maxima (Procellaria), 158.
 mccormicki (Diomedea), 153.
 melania (Cymochorea), 190.
 — (Oceanodroma), 190.
 — (Procellaria), 189, 190.
 melanogaster (Fregetta), 194.
 — (Thalassidroma), 194.
 melanoleuca (Fregetta), 195.
 — (Fregettonis), 195.
 — (Haladroma), 197.
 melanoleucus (Puffinus), 178.
 melanonyx (Procellaria), 160.
 melanophris (Diomedea), 154.
 — (Thalassarche), 154, 155.
 melanopterus (Cookilaria), 169.
 melanopus (Procellaria), 166.
 — (Pterodroma), 166.
 melanotis (Reinholdia), 183.
 melanura (Procellaria), 176.
 melitensis (Thalassidroma), 187.
 meridionalis (Procellaria), 164.
 microsoma (Halocyptena), 188.
 Microzalias, 185.
 minor (Alphapuffinus), 182.
 — (Pagodroma), 161.
 — (Procellaria), 160, 161.
 — (Puffinus), 182.
 — (Thalassidroma), 187.
 minorhis (Thalassidroma), 189.
 missus (Necnctris), 184.
 — (Prion), 172.
 mixta (Procellaria), 175.
 moestissima (Fregetta), 193.
 — (Nesofregetta), 193.
 mollis (Pterodroma), 167.
 monorhis (Cymochorea), 189, 190.
 — (Oceanodroma), 189.
 — (Thalassidroma), 189.
 montagnei (Reinholdia), 183.
 montana (Oestrelata), 166.
 munda (Nectris), 180.
 — (Procellaria), 180, 188.
 murphyi (Halobaena), 171.
 — (Phoebetria), 158.
 nacvia (Procellaria), 159.
 nativatatis (Microzalias), 185.
 — (Nectris), 185.
 — (Puffinus), 185.
 Nealbatrus, 156.
 Nectris, 177, 178, 180, 185.
 neglecta (Procellaria), 168.
 — (Pterodroma), 168.
 neglus (Pterodroma), 166.
 Neonectris, 184.
 neozelandicus (Puffinus), 183.
 nereis (Garrodia), 193.
 — (Oceanites), 193.
 — (Thalassidroma), 193.
 Nesofregetta, 193.
 newelli (Puffinus), 179.
 nigra (Procellaria), 175.
 nigricollis (Oestrelatella), 170.
 nigripennis (Cookilaria), 170.
 — (Oestrelata), 176.
 nigripes (Diomedea), 154.
 — (Phoebastria), 154.
 nivea (Pagodroma), 161, 162.
 — (Procellaria), 161.
 nova (Pseudoprion), 174.
 novae-georgica (Pagodroma), 161.
 novaegeorgica (Pagodroma), 161, 162.
 nugax (Nectris), 180.
 — (Procellaria), 181.
 — (Puffinus), 182.
 nutcheri (Necnctris), 184.
 obscura (Procellaria), 180.
 — (Puffinus), 181.
 obscurus (Puffinus), 181.
 oceanica (Procellaria), 191.
 oceanicus (Oceanites), 191.
 Oceanites, 188, 191–193.
 Oceanodroma, 188–191, 198.
 Oestrelata, 163, 165–170.
 Oestrelatella, 169, 170.
 olivacciostris (Diomedea), 156.
 olivaceorhyncha (Diomedea), 156.
 oliveri (Aestrelata), 165.
 oliveri (Pseudoprion), 175.
 Onocralus, 196.

- opisthomelas (Puffinus), 179, 182.
 optatus (Puffinus), 179.
 orientalis (Cookilaria), 171.
 — (Procellaria), 188.
 Ossifraga, 158, 159.
 ossifraga (Procellaria), 158.
 owstoni (Cymochorea), 190.

 Pachyptila, 171–174.
 pacifica (Bulweria), 162.
 — (Procellaria), 160, 185.
 — (Thyellodroma), 160, 176, 185, 186.
 Pacificodroma, 189.
 pacificus (Puffinus), 185, 186.
 Pagodroma, 161, 162.
 pallipes (Procellaria), 176.
 palpebrata (Diomedea), 157.
 — (Phoebetria), 157, 158.
 Paranectris, 166, 167, 184, 185.
 pardela (Procellaria), 159.
 parkinsoni (Procellaria), 176.
 parvirostris (Procellaria), 165, 198.
 — (Pterodroma), 165.
 paschac (Pterodroma), 168.
 passerina (Pelagodroma), 193.
 — (Procellaria), 193.
 Pealea, 196.
 pealei (Pagodroma), 162.
 Pealeornis, 196.
 pelagica (Procellaria), 187.
 — (Thalassidroma), 161, 187.
 Pelagodroma, 192, 193.
 Pelagodyptes, 198.
 Pelecanoides, 196, 197, 198.
 peringueyi (Heteroprion), 173.
 persicus (Alphapuffinus), 181.
 — (Puffinus), 181.
 perspicillata (Procellaria), 176.
 peruvia (Diomedella), 157.
 pescadoresi (Neonectris), 184.
 Petrella, 159.
 phacopygia (Oestrelata), 168.
 — (Pterodroma), 168.
 phillipii (Procellaria), 166.
 Phoebastria, 153, 154.
 Phoebetria, 157, 158.
 platei (Diomedea), 155.
 plumbea (Thalassidroma), 188.
 polaris (Thalassoica), 161.
 polynesiae (Alphapuffinus), 181.
 — (Puffinus), 181.
 Porthmornis, 197, 198.
 presaga (Diomedea), 156.
 Priamphus, 171.
 Priocella, 160, 161.
 Priofinus, 175, 176.
 Prion, 165, 171–174.
 Procellaria, 158–198.
 profuga (Diomedea), 156.
 propontidis (Procellaria), 179.
 providentia (Procellaria), 166.
 Pseudoprion, 174, 175.
 Pterodroma, 162–170, 198.
 Puffinuria, 197, 198.
 Puffinus, 162, 163, 177–186, 198.
 puffinus (Procellaria), 178.
 — (Puffinus), 177–179.
 punctata (Procellaria), 198.
 pycrofti (Cookilaria), 170.
 — (Pterodroma), 170.

 quintali (Pterodroma), 168.

 raolensis (Procellaria), 166.
 raoulensis (Rhantistes), 168.
 regia (Diomedea), 153.
 Reinholdia, 182, 183.
 reinholdia (Puffinus), 183.
 — (Reinholdia), 183.
 reischekia (Diomedea), 154.
 Rhantistis, 159, 168, 169.
 Rhipornis, 178.
 Rhothonia, 152, 153.
 richmondi (Thalassarche), 155.
 rogersi (Fulmarus), 160.
 rogersii (Fulmarus), 160.
 rohui (Diomedea), 152.
 — (Diomedella), 156.
 rossi (Prion), 173.
 rostrata (Procellaria), 165.
 — (Pterodroma), 165.
 rothschildi (Diomedea), 152.
 royana (Fregetornis), 195.
 royanus (Fregetornis), 195.
 — (Puffinus), 185.
 rubritarsi (Procellaria), 164.

 saltatrix (Procellaria), 193.
 salvini (Diomedella), 157.
 — (Pachyptila), 172.
 — (Prion), 172.
 — (Thalassogeron), 157.
 sandaliata (Procellaria), 164, 168.
 sandwichensis (Oestrelata), 168.
 — (Pterodroma), 168.
 sanfordi (Diomedea), 153.
 — (Rhothonia), 152, 153.
 satalandia (Pterodroma), 164.
 scalaris (Aestrelata), 166.
 scapulata (Procellaria), 190.
 scotorum (Puffinus), 178.
 sericeus (Puffinus), 163.
 siliga (Pterodroma), 198.
 similis (Procellaria), 171.
 smithi (Procellaria), 160.
 socorroensis (Cymochorea), 189.
 — (Oceanodroma), 189.
 solanderi (Macronectes), 158.

solanderi (Pseudoprion), 175.
 solandri (Procellaria), 166.
 sordida (Procellaria), 198.
 — (Pterodroma), 198.
 spadicea (Diomedea), 152.
 sphenurus (Puffinus), 185, 186.
 steady (Diomedella), 157.
 — (Procellaria), 176.
 — (Pseudoprion), 174.
 — (Thalassarche), 157.
 stricklandi (Paranectris), 185.
 — (Puffinus), 185.
 subalaris (Alphapuffinus), 182.
 — (Puffinus), 182.
 tenebrosus (Puffinus), 182.
 tenuirostris (Neonectris), 184.
 — (Pelecanoides), 197.
 — (Procellaria), 160, 184.
 — (Puffinus), 184.
 — (Thalassidroma), 187.
 tethys (Tethysia), 187.
 — (Thalassidroma), 187.
 Tethysia, 187.
 Thalassarche, 154, 155, 157.
 Thalassidroma, 161, 163, 187–196.
 Thalassogeron, 152, 155–157.
 Thalassoica, 161.
 thompsoni (Pterodroma), 166.
 Thyellas, 178.
 Thyellodroma, 160, 176, 185, 186.
 titan (Fregetta), 195.
 — (Fregettornis), 195.
 torquata (Procellaria), 169.
 townsendi (Oceanodroma), 190.
 tridactyla (Procellaria), 196.
 trinitatis (Aestrelata), 168.
 tristanensis (Fregettornis), 195.
 tristani (Pterodroma), 169.
 tristis (Procellaria), 184.
 tristrami (Oceanodroma), 198.
 tropica (Fregetta), 194.
 — (Thalassidroma), 194.
 trouessarti (Pterodroma), 165.

tubulata (Fregetta), 194.
 tunneyi (Alphapuffinus), 180.
 — (Puffinus), 180.
 turtur (Pachyptila), 174.
 — (Procellaria), 174.
 — (Pseudoprion), 174, 175.
 typica (Halobaena), 171, 174.
 typus (Adamastor), 176.
 unicolor (Procellaria), 167.
 urinatrix (Pelecanoides), 196, 197.
 — (Procellaria), 196.

vagabunda (Procellaria), 164.
 variegata (Procellaria), 165.
 velificans (Procellaria), 198.
 — (Pterodroma), 198.
 velox (Procellaria), 170, 174.
 — (Rhantistis), 169.
 victoriae (Halobaena), 171.
 vittata (Pachyptila), 171–173.
 — (Procellaria), 171, 172.
 vittatus (Prion), 172.
 vulgaris (Procellaria), 178.

Wagellus, 159.
 wallaca (Diomedella), 156.
 westralis (Diomedea), 152.
 whitneyi (Puffinus), 185.
 wilsoni (Macronektes), 159.
 — (Oestrelata), 168.
 — (Procellaria), 191.
 — (Thalassidroma), 191.
 wortheni (Oestrelata), 165.

yelkouan (Procellaria), 179.
 — (Puffinus), 179.

Zalias, 185.
 Zalochelidon, 187.
 Zaprium, 171.
 zealandicus (Puffinus), 183, 186.